



The physics reading room, located in Building 26, may house the TEAL program.

Physics Reading Room Likely to House TEAL

Fifth Floor of Student Center Ruled Out

By Pey-Hua Hwang
STAFF REPORTER

MIT administrators have indicated that the physics reading room will probably house the upcoming Technology Enabled Active Learning (TEAL) project.

Professor of Physics John W. Belcher said that the study space on the fifth floor of the Student Center is officially out of consideration and that the physics reading room is well suited to the project's purpose.

Dean for Undergraduate Education Robert P. Redwine described his feelings towards the project as being "cautiously optimistic." His biggest concerns are the shortage of space at MIT and the increased pressure to select a location soon to ensure the project's completion by this fall. "Obviously things have to start happening quickly," he said.

Student Center space ruled out

Although the idea of using the fifth floor of the Student Center was

dismissed, its consideration is a symptom of the lack of space within the Institute. The use of the Student Center space was initially proposed after discussion between Space Administrator John P. Dunbar of the Facilities Department, Chancellor Lawrence S. Bacow '72, and others.

"There were a lot of people involved," said Redwine. He mentioned that "one of the attractions was ... we felt it could be done in a way to preserve the current use of the space."

However, Redwine said that "a lot of students said that this would be a loss to them, and the idea was put to the wayside. Most recently the plan that was floated was to use the physics reading room."

Reading room likely to move

Professor and Associate Department Head for Education Thomas J. Greytak '62 said that "the Physics

TEAL, Page 14

Hubert Wins Lemelson Prize

Graduate Student Earns Award for Nanotechnology Work

By Nancy L. Keuss
ASSOCIATE NEWS EDITOR

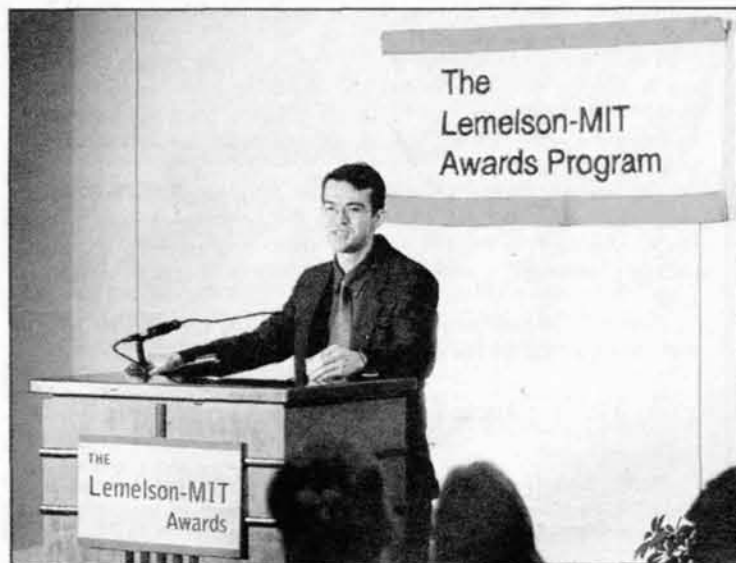
Brian N. Hubert G has been named the recipient of the seventh annual Lemelson-MIT Program \$30,000 Student Prize.

Hubert, a graduate student in Mechanical Engineering, has developed the world's first universal "pick-and-place" nano-assembly machine, able to lift and assemble nearly any type of material, several thousand atoms at a time.

Hubert hopes his nano-assembly process, the result of over 18 months of work, will someday have a significant effect on genetically-based medicine.

"The broad range of Brian's endeavors was impressive to us. It's rare to see someone who can write and play music like Mozart one day and invent devices that build on an atomic level the next. Brian is a true Renaissance man," remarked Josh Tolkoff, chairperson of this year's Student Prize judging panel.

"There's an exciting application to ultra-dense gene chips," Hubert notes. Segments of DNA strands placed on gene chips and patterned



JAMES SNYDER—THE TECH

Brian N. Hubert G talks to the press yesterday in the Faculty Club about his various inventions that won him the Lemelson-MIT \$30,000 Student Prize.

into these ultra-dense gene chips could "allow for a reading of the genome in minutes." This, in turn, may aid doctors in detecting gene-related diseases well before an indi-

vidual displays any symptoms.

A second invention presented at the ceremony was Hubert's plastic

Lemelson, Page 18

Wang Discusses Biotechnology in Asia

By Dana Levine
EXECUTIVE EDITOR

Institute Professor Daniel I. C. Wang '59 spoke about the development of biotechnology industries in several Asian countries last night.

The talk, entitled "Impact of Biotechnology: The Pacific Rim," discussed government and private attempts to develop the biotechnology industry in China, Hong Kong, Singapore, and Taiwan. Wang has served as an adviser on biotechnology to the governments of these countries for over ten years.

Illegal pharmaceuticals rampant

According to Wang, these nations do little research of their own, mainly producing generic versions of drugs developed in the United States and Europe. "Something very interesting is that when you look at our universities, we're into developing new things, whereas they are into generics," he said.

Although some of these generic drugs are copies of medicines whose patents have expired, most of these countries do not obey intellectual property laws. This permits

companies to produce any patented drug for use within that country, including newer recombinant DNA drugs.

"If they use them internally, there's no way to police that," Wang said, likening their strategies to playing with an open hand of cards. "Give me one peek, and I'll know exactly how to play my cards."

The abuse of intellectual property laws in several Asian countries

Biotechnology, Page 19



WENDY GU—THE TECH

Tina S. Lai, a staff member in the Department of Mechanical Engineering, admires posters displaying past activities of MIT's chapter of Habitat for Humanity. On Wednesday the organization celebrated the opening of a new project that involves teaming up with a local affiliate to build a house for a family in need.

MIT Committee Regulates Experiments On Animals

By Eun Lee
ASSOCIATE FEATURES EDITOR

Animal research, which is performed by several laboratories around MIT, has emerged as a sensitive and difficult issue for both researchers and protesters alike.

MIT's Committee on Animal Care (CAC) was established to ensure that all Institute researchers working with animals comply with federal, state, local and institutional animal care regulations.

The CAC is responsible for inspecting animals, animal facilities and laboratories, and reviews all research and teaching exercises that involve animals before experiments are performed.

President Charles M. Vest appoints the 13 to 15 members of the committee, who represent an equal mix of both researchers and

non-researchers. Dr. Barbara O'Pray of the Medical Department has headed the committee since 1994.

"The main point I'd like to get across is that we take this very seriously," said O'Pray. "All of this research is tightly regulated."

Included on this committee are an ordained minister, two veterinarians, an animal technician, and an outsider with no affiliation with MIT who is required by law to be on the committee.

"There are very few minority opinions because we work to make everyone happy," said O'Pray.

Professor Harriet Ritvo, head of the History Department, served on the Committee on Animal Care for six years.

"I was very impressed by the seriousness and integrity with which the committee operated," she said.

Animal Testing, Page 21



Women's basketball defeats Wheaton on Senior Night.
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Comics

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OPINION

Philip Burrowes argues that the contributions of African-Americans have been ignored by educators and mainstream media.

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WORLD & NATION

Bill Seeks to Overturn Bush's Ban on Family Planning Funds

LOS ANGELES TIMES

WASHINGTON

A bipartisan group of lawmakers launched a bid Thursday to overturn President Bush's ban on giving federal funds to international family planning groups that use other funds to pay for abortion-related activity.

Backing the effort are several international health organizations concerned the ban will force them to halt efforts encouraging their countries to liberalize abortion laws to reduce the number of women who die from illegal abortions.

The legislation to overturn Bush's ban has a good chance of passing in the Senate, which historically has been more supportive of family planning and abortion rights. Its prospects are more uncertain in the House, where the Republican majority could use parliamentary procedures to thwart it.

The ban, one of Bush's first acts as president, prohibited any overseas organization that gets U.S. aid for family planning from using funds received from other sources for abortion counseling, abortion referrals, performing abortions or lobbying to liberalize abortion laws.

Direct use of U.S. money for abortion-related activities by international organizations has been blocked since 1973.

Dell Lays Off 1,700 Workers

THE WASHINGTON POST

Dell Computer Corp. announced Thursday morning that it was firing 1,700 employees, or 4 percent of its work force, in an attempt to cut costs in a softening desktop computer market.

"It's a tough decision and a hard thing to have to go through," said Mike Maher, a spokesman for the company.

The layoffs will affect workers in the administrative, marketing and product support areas of the computer manufacturer. Most of the employees are in the company's home base in the Round Rock, Texas, area, though some workers in the San Jose, Calif., office also will lose their jobs.

Dell's announcement came hours before it was to announce its earnings. Sales this quarter are expected by analysts to be between \$8.5 billion and \$8.6 billion, down from earlier forecasts of \$8.7 billion.

In terms of overall U.S. shipments, Dell is still the number one computer manufacturer, but some analysts say that holding that position has been costly. "They've been a bit too aggressive in building and maintaining market share," said Anne Bui, an analyst with IDC, who said this may be the one of the most disappointing quarters in the company's 16-year history.

Senate Duo Makes Bipartisan Pitch for Medicare Reform

THE BALTIMORE SUN

WASHINGTON

The Senate's leading bipartisan pair of advocates for Medicare reform opened this year's round of debate Thursday in what they say is the most favorable climate so far for changes that would include adding a prescription drug benefit.

Sens. John B. Breaux (D-La.) and Bill Frist (R-Tenn.) offered two versions of a centrist proposal they have been developing for two years that would modernize the health care program for the elderly. Their bill would guarantee prescription drug coverage for everyone in Medicare, regardless of income.

With a new president and new key committee leaders who have endorsed the general approach of the legislation, "I think we have a unique opportunity for comprehensive Medicare reform to have a realistic chance of being adopted in this Congress," Breaux said.

Sharon, Barak Join Forces To Govern State of Israel

By Tracy Wilkinson

LOS ANGELES TIMES

JERUSALEM

On a day full of funerals, Israel's prime minister-elect and the man he trounced at the polls agreed in principle late Thursday to joining forces in a coalition government that will immediately face the prospects of a widening guerrilla-style war with Palestinians.

Outgoing Prime Minister Ehud Barak agreed to enter the government of hawkish Ariel Sharon as his defense minister, Israeli radio and television reported, concluding intense negotiations that began after the Feb. 6 election.

Barak's office said the formation of a so-called unity government including Barak's leftist Labor Party and Sharon's right-wing Likud Party was conditional on resolving several minor points. Sharon's spokesman, Raanan Gissin, said the deal was all but done.

Agreement came as the crisis in the Middle East entered a new phase, with renewed violence in the region spiraling out of control and an ever deeper sense of despair and anger hardening among both Israelis and Palestinians.

Under rainy skies Thursday,

Israelis buried most of the eight young Israelis killed a day earlier by a Palestinian bus driver who slammed into a crowd at a bus stop near Tel Aviv, in the deadliest attack on Israelis in nearly four years. A Palestinian policeman trying to infiltrate a Jewish settlement in the Gaza Strip was shot dead by Israeli soldiers, the army said, and violence raged around Jerusalem and in the West Bank and Gaza.

The deteriorating security situation helped propel Sharon and Barak toward the coalition agreement, which must be approved by their parties. Opposition in the Labor Party will be especially stiff.

Sharon had wooed Labor to his administration to give it a more moderate image and to shoulder the burden of fighting a nearly 5-month-old Palestinian uprising that in recent days has surged to its most violent level in weeks.

But the sober reality is that even with Barak and Labor's elder statesman, Shimon Peres, joining Sharon, the options facing the government are few as Israelis and Palestinians alike brace increased violence.

Under Sharon's government, the pursuit of peace, if it is pursued at all, will be limited and phased,

Sharon and his aides say. Reaching a comprehensive settlement is no longer part of the vocabulary.

Battling what is increasingly a guerrilla conflict is difficult for a conventional, if formidable, army such as Israel's. The conflict has become what one analyst called an asymmetrical war, one in which the goals and front lines are murky.

"It's a war in which there is no military victory, certainly not easy and swift," Deputy Defense Minister Ephraim Sneh said Thursday.

In addition to returning to a policy of assassinating select Palestinian militant leaders, Israeli forces are building new fortifications along potential flash points, increasing the number of days of reserve duty and asking for a bigger budget.

"The status quo is beginning to be too high a price to pay," said Dan Meridor, a centrist legislator who is expected to join the new government. "The pretty dream (of reaching peace) that we were all raised by and educated for will not come to life in today's reality."

Taking advantage of the vacuum created by the transition from one prime minister to another, Palestinians escalated shooting attacks on settlements, soldiers and motorists.

Bush Tax Proposal Under Fire

Centrist Republicans Jeffords, Chafee Oppose Bush Plan

By Janet Hook

LOS ANGELES TIMES

WASHINGTON

The first signs of trouble for President Bush's tax cut measure have surfaced on Capitol Hill, as moderate Republican lawmakers have begun breaking ranks to oppose cutting taxes as deeply as Bush has proposed.

The two most prominent defectors are Sens. James M. Jeffords of Vermont and Lincoln Chafee of Rhode Island, who argued that Bush's plan to slash taxes by \$1.6 trillion over 10 years is too skewed to the wealthy and would leave too little margin for error if projected budget surpluses do not become

reality.

In a White House meeting Thursday, Senate Budget Committee Chairman Pete V. Domenici (R-N.M.) cautioned Bush that he is now at least two votes short of being able to pass the tax cut plan in the Senate.

Before the meeting with Domenici and other GOP budget writers, Bush acknowledged that "I've got a lot of work to do" in selling the tax cut plan.

The fissures in GOP unity on the issue were hailed by Democrats, who sought Thursday to focus attention on their push for a smaller tax cut geared more to middle- and lower-income taxpayers.

"There is a real possibility we could actually win this fight," Senate Minority Leader Tom Daschle (D-S.D.) said.

Still, some GOP leaders voiced confidence that moderate Republi-

cans would fall in line and vote for Bush's tax bill in the end — just as they did in producing unanimous GOP support for the controversial nomination of John Ashcroft as attorney general.

"This is not the beginning of a crack," Senate Majority Leader Trent Lott (R-Miss.) said. "When the time comes, there will be more than enough votes there."

At the least, the early GOP defections are a sign that obtaining party unity on taxes is going to prove harder than on the Ashcroft vote.

In a Senate split 50-50 between the parties, losing support from just Jeffords and Chafee could cause trouble for Bush's tax plan, given that so far only one Democrat, Sen. Zell Miller of Georgia, has announced his support for it.

WEATHER

A Presidential Weekend

By Efrén Gutierrez and Greg Lawson

STAFF METEOROLOGISTS

Another three day weekend is upon us, and it's time to either catch up on sleep, go skiing, or just chill in Boston.

Before you make any plans, you may want to put them off until Saturday, because rain showers will be moving in from the south late Friday afternoon, lasting all through the night. Don't despair, because by Saturday morning the clouds will move off to the east. A high currently situated in the Ohio Valley will build into the area, bringing with it clearer skies for Saturday afternoon and Sunday. Sunday will be quite chilly as compared to the previous days, because of the cold sinking air of the high pressure. Fair weather will last until President's Day, when there is a slight possibility of light show showers.

If by any chance you're going away from the New England area, do not head toward the Oregon coast. A small low pressure storm system from the Pacific will cause showers for most of the Pacific Northwest. Otherwise, most of the United States will be clear and sunny.

Weekend Outlook

Today: Clear skies with clouds rolling in toward the afternoon. High 37°F (3°C). North wind of 10 mph (16 kph) shifting to the east.

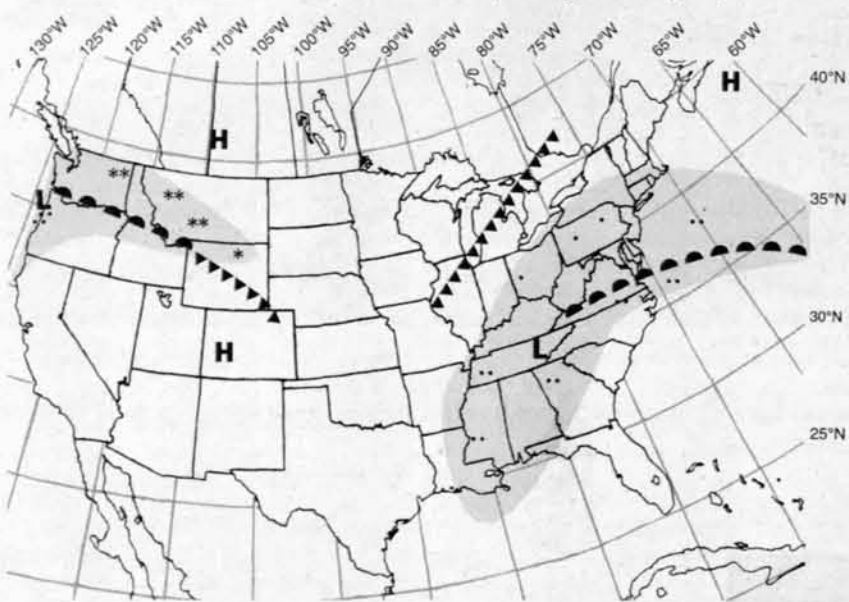
Tonight: Cold light rain, a with possibility of a wintry mix. Low 32°F (0°C).

Saturday: Light rain should end, with skies clearing by mid-afternoon. High in the upper 30s (2–4°C).

Saturday Night: Cold and clear. Low in the upper teens (-11–-8°C).

Sunday: Cool and clear. High in the low 30s (-1–1°C).

Situation for Noon Eastern Standard Time, Friday, February 16, 2001



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	Trough	Snow	Fog
L Low Pressure	Warm Front	Rain	Thunderstorm
Hurricane	Cold Front	Light	Haze
	Stationary Front	Moderate	
		Heavy	

Compiled by MIT
Meteorology Staff
and The Tech

Colombia Requests Increased Aid From U. S. to Fight Drugs

By Scott Wilson
THE WASHINGTON POST

BOGOTA, COLOMBIA

President Andres Pastrana said Thursday he plans to seek a fresh infusion of U.S. financial assistance this month during his first meeting with President Bush, to help spur economic development in regions where U.S.-trained troops are destroying drug crops.

In an interview, Pastrana said the newly revived peace process with Colombia's largest guerrilla group depends on an increase in such economic assistance, perhaps as much as \$500 million annually from the United States alone. The money would be used to address high unemployment and other economic obstacles that prompt Colombians to join the drug trade or illegal armed groups for their livelihood, he said.

Pastrana said his trip to Washington is a way to introduce himself and his country to the new administration at an important moment for his anti-drug plan and the peace negotiations. The Bush administra-

tion has inherited a three-year, \$1.3 billion aid package for Colombia that is designed to reduce Colombia's role as the world's largest cocaine production center and deprive a decades-old leftist insurgency of its chief revenue source.

Pastrana's words seemed calculated to refocus Washington's attention on Colombia, now in the thick of its U.S.-backed anti-drug strategy, as a new administration takes over facing a host of foreign policy questions. Pastrana underlined his hope for a new financial commitment to boost a development strategy he has often declared key to the drug war's long-term success.

Pastrana said he also plans to make the case that the United States must do more to help ensure that the drug trade, if it can be diminished, does not resurge. Much of Colombia's success so far has been the result of aerial fumigation, which has killed an estimated 65,000 acres of coca crops in the southern province of Putumayo, the country's principal coca-producing region.

But Pastrana said more resources must be committed to social-development programs that encourage farmers to uproot lucrative drug crops for legal ones, a strategy that accounts for only 25 percent of the \$1.3 billion in U.S. aid. Increasing resources for small farmers, Pastrana said, was a key topic during his summit conference last week, marking revived peace talks with rebel leader Manuel Marulanda.

"We are a poor country," Pastrana said in a 45-minute interview in his office. "But we are spending \$1 billion a year of our money to keep drugs off the streets of Washington and New York. We need more help. This is a long-term plan, maybe 15 to 20 years."

The United States is the largest market for Colombia's drug trade. President Clinton, whom Pastrana remembered Thursday as a staunch ally, pushed through a package last year that includes more than 50 transport helicopters, military trainers and funds for development programs.

Bush to Visit Mexican President

Immigration, Drugs, Free Trade to Top Policy Discussions

By Mary Jordan

THE WASHINGTON POST

TZINTZUNTZAN, MEXICO

As President Bush comes to Mexico to meet with President Vicente Fox Friday, millions of illegal workers in the United States like those from Tzintzuntzan rank high on the agenda, along with drug smuggling and free trade. Mexico views immigration as the most important issue to be discussed. And the feeling here is that the United States, more than at any time in decades, is ready to negotiate a better deal for its undocumented babysitters, construction workers, gardeners, office cleaners and fishermen.

Illegal immigration has been a hot issue for years in the United States, which hosts an estimated 5 million undocumented workers — more than half of whom are from Mexico. The problem often has been discussed with shrillness and finger-pointing as critics spoke of threats to the sovereignty of national borders, undermined wages and jobs robbed from U.S. workers. Those worries have not disappeared. But as American prosperity soared, the

value of these workers seemed more evident. As a result, the construction, service and agricultural industries are lobbying Congress for a way to get more of these people into the United States legally.

Now, there are two new presidents with new ideas. Bush, who saw the issue up close as governor of Texas, where 30 percent of the population is Hispanic, has said immigration should be viewed as an opportunity. Fox, who took office Dec. 1, has launched a crusade to get more respect for undocumented Mexican workers in the United States. He has described them as "heroes" and stood at highway checkpoints along the border for several days in December shaking migrants' hands as they returned home for Christmas. Eventually, he says, the border should allow free passage in both directions.

"The border is already open, to products, merchandise, services, capital," he said Thursday during an on-line discussion on washingtonpost.com. "We must have a long-term vision, coherent with this situation, by constructing step by step the possibility in the future to open the borders to the free flow of people."

Many Mexican officials want a halt to the construction of border walls and barbed-wire fences between the two countries. Tight-

ened U.S. security at the border has been blamed for nearly 400 deaths in the last year as Mexicans try more dangerous routes, often drowning or dying of dehydration in the desert. There is also talk in both countries of a new amnesty program to give legal status to some long-established, tax-paying Mexican workers who live in a shadowy world — officially invisible, ripe for abuse by employers, afraid to report crime or get care from a doctor.

Prominent Democrats and Republicans in Congress are calling for a guest worker program that would give more Mexicans a limited time to work legally at certain jobs in the United States. Some of these proposals would affect more than a quarter-million Mexicans.

Rep. Silvestre Reyes (D-Texas), chairman of the Hispanic Caucus, is leading a group of 12 members of Congress here Monday, the latest in a parade of American officials meeting with Fox. But Reyes, who spent 26 years with the Border Patrol, said "new thinking" on immigration could evaporate if unemployment rises in the United States and that the time is ripe for a "comprehensive long-term strategy."

"No one wants a border that is out of control, where there are no designated points of entry, where we don't know who is coming in," said Reyes.

California Examines Power Sources

Prices of Solar, Other Alternatives To Be Reduced

By Julie Tamaki

LOS ANGELES TIMES

SACRAMENTO, CALIF.

A crucial part of the recovery plan to solve California's energy mess moved closer to a resolution Thursday — but at a price higher than previously hoped and with the threat of a court battle looming on the horizon.

Efforts to cut prices charged by producers of solar, wind and other alternative energy — with the idea of shaving \$4 billion a year in costs borne by the state's big private utilities — may fall short of that goal but still generate huge savings, said Republican state Sen. Jim Battin, who has spearheaded efforts to negotiate lower prices.

State and industry representatives have been negotiating for weeks to slash the rate paid to the alternative energy producers. The idea is to help utilities better man-

age their massive debts while negotiating long-term contracts to stabilize the price of power — and in the process help keep expected consumer rate hikes from otherwise growing larger.

The producers have agreed in principle to accept lower prices in return for assurances that they will be paid for future electricity deliveries to Southern California Edison and Pacific Gas & Electric. The two debt-ridden utilities owe the generators more than \$900 million for recent deliveries.

California is home to nearly 700 alternative energy producers, which generate about a third of the energy bought by Edison, PG&E and San Diego Gas & Electric. The companies include generators of solar, wind and biomass energy in addition to natural gas-fired plants that employ so-called cogeneration technologies to supply heat and electricity.

An agreement in principle was reached last month to cut the amount the alternative energy producers are paid for each kilowatt-hour of electricity from 17 cents to

7.8 cents. (One kilowatt-hour is enough electricity to supply a typical home for one hour.)

But it now appears that the cost savings will be more modest among some producers, in large part because of current high prices for natural gas and existing costlier, long-term contracts between some producers and the utilities.

"We started at 17 cents and it's going to be closer to 8.5 to 9 cents," Battin said of the cogenerators, which account for more than half the power supplied by the alternative energy producers. "I think this will ultimately reduce the cost of energy in the state by several billion dollars."

Further complicating the situation, Edison petitioned a state appellate court late last week to order the Public Utilities Commission to set new, lower rates for the power producers.

Edison appears to be pushing for a proposal floated by PUC Commissioner Carl W. Wood that would cap the amount the power producers would be paid at 6.7 cents a kilowatt-hour.

Senate Committee Questions Clinton's Pardon of Deutch

THE WASHINGTON POST

WASHINGTON

The Senate Select Committee on Intelligence Thursday launched an inquiry into former President Clinton's pardon of former CIA director John Deutch, sending a letter to CIA Director George Tenet to determine whether he or anyone else in the U.S. intelligence community was consulted beforehand.

A senior intelligence official responded Thursday night that neither Tenet nor anyone else at the CIA had any knowledge of the pardon in advance. The official also disclosed that Deutch's CIA security clearances — suspended by Tenet in August 1999 as punishment for Deutch's home computer security violations — have been revoked within the past week.

Clinton pardoned Deutch on Jan. 20 for mishandling hundreds of highly classified intelligence documents on unsecure home computers linked to the Internet, making them vulnerable to cyber-attack.

The pardon caught Justice Department officials by surprise. It came less than a day after they had secured Deutch's signature on a plea agreement — nullified by the pardon — in which he admitted to a misdemeanor for unauthorized retention of classified material and agreed to pay a \$5,000 fine.

"I am very disturbed by what appears to be a subverting of the judicial process in the case of former director Deutch," Sen. Richard Shelby (R-Ala.), chairman of the intelligence committee, said Thursday. "If John Deutch had already agreed to plead guilty to a criminal violation, I just don't understand why the president would undermine his own Department of Justice."

Scientists Develop Plastic Which Regenerates Itself

THE WASHINGTON POST

For years, scientists have tried to find an easier way to repair plastic — to make a tennis racket that lasts longer, a surfboard that patches easier or a fiber-glass auto body that could give a vintage Corvette a look as elegant as the day it rolled off the assembly line.

Wednesday, researchers reported they had taken a step toward finding a way to repair fiberglass and other composite materials without tedious drilling, plugging, patching and sanding. They have developed a "self-healing" form of plastic.

Using high-tech materials and a low-tech concept inspired by the human body, the scientists devised a process that can continuously repair and regenerate the chemical soup that makes up most plastics by activating special resin-filled capsules stored within the material itself.

The process, with potential commercial applications ranging from increasing the life of an implanted prosthesis to creating more durable spacecraft, is one of many efforts underway to develop new types of plastics, metals and other "smart materials" that have been updated using the latest technology to have desirable properties.

Bush Seeks Review of Civilian Inclusion in Military Exercises

THE WASHINGTON POST

WASHINGTON

President Bush said Thursday that the Defense Department should review its policy of inviting civilians to participate in military exercises, a practice that resulted in the presence of 16 civilians aboard a nuclear-powered submarine when it surfaced beneath a Japanese trawler off Hawaii last Friday.

As Bush spoke, National Transportation Safety Board investigators in Hawaii said they plan to interview all of the civilians, two of whom offered Thursday the first eyewitness accounts of what happened aboard the USS Greeneville. Those accounts shed little light on why the submarine's crew failed to spot the 190-foot fishing boat Ehime Maru before performing an emergency surfacing maneuver.

In an interview on NBC-TV's "Today" show, the eyewitnesses, John Hall and Todd Thoman, said the crew carefully checked the surface for ships before the maneuver. They also insisted that the civilians were under tight supervision by Navy personnel throughout their time on the ship.

The two men, who were in Hawaii in connection with a golf tournament that had been planned to benefit the Battleship Missouri Memorial in Pearl Harbor, said they could not explain why the Greeneville's crew failed to spot the fishing boat, which sank almost immediately after the collision.

The Coast Guard rescued 26 people from the trawler, a training vessel for a Japanese vocational high school. Three crew members, two teachers and four students are still missing.

Hong Kong's Finance Chief Promoted to No. 2 Position

LOS ANGELES TIMES

HONG KONG

Financial Secretary Donald Tsang was handed the No. 2 job in Hong Kong's government Thursday in the first major leadership reshuffle since the territory was handed back to China nearly four years ago.

Tsang's appointment to the post of chief secretary follows last month's sudden announcement that Anson Chan — an outspoken defender of democratic values — planned to retire well before her term was to expire.

Antony Leung, 49, the head of J.P. Morgan Chase & Co.'s Asia-Pacific operations, was picked to succeed Tsang as financial secretary, a post viewed as the third-most powerful in the government. Both appointments required confirmation by the Chinese regime in Beijing.

Tsang, 55, a respected career civil servant, takes over the territory's chief administrative position at a crucial time for the fragile political experiment that has allowed Hong Kong to exist as a largely democratic region, but one under Chinese sovereignty — an experiment known as "one country, two systems."

OPINION

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Tech Dooms Physicists To Anonymity

It was with amusement that I read your "World and Nation" article about the experimental confirmation of supersymmetry ["Scientists Find Evidence to Support 'Supersymmetry,'" Feb. 9], done by some "scientists," a few more "physicists," an unidentified "ongoing experiment" and a mysterious list of "results announced Thursday." Is it asking too much to know who we we are talking about — maybe even to get the name of a lab? Or are scientists forever doomed to be cast as an occult,

anonymous mass? Oh, please say it ain't so.

John Steinberger

Police Logs Were Delightful to Read

I would like to concur with Erin R. Conwell '03's letter to the editor ["Bring Back Police Log," Feb. 13]. Having recently returned from a semester abroad, I was most disappointed to see the loss of the Police Log from the pages of *The Tech*. It provided a point of contact and communication between the Campus Police and the community. As

Conwell pointed out, it was a delight and a pleasure to read on a regular basis. It provided points of discussion in each issue: the elegant understatement of "Tang Hall: Woman reported screaming. Same later found to be distressed."

I urge *The Tech* and the Campus Police to return the Police Log to its rightful place in these pages.

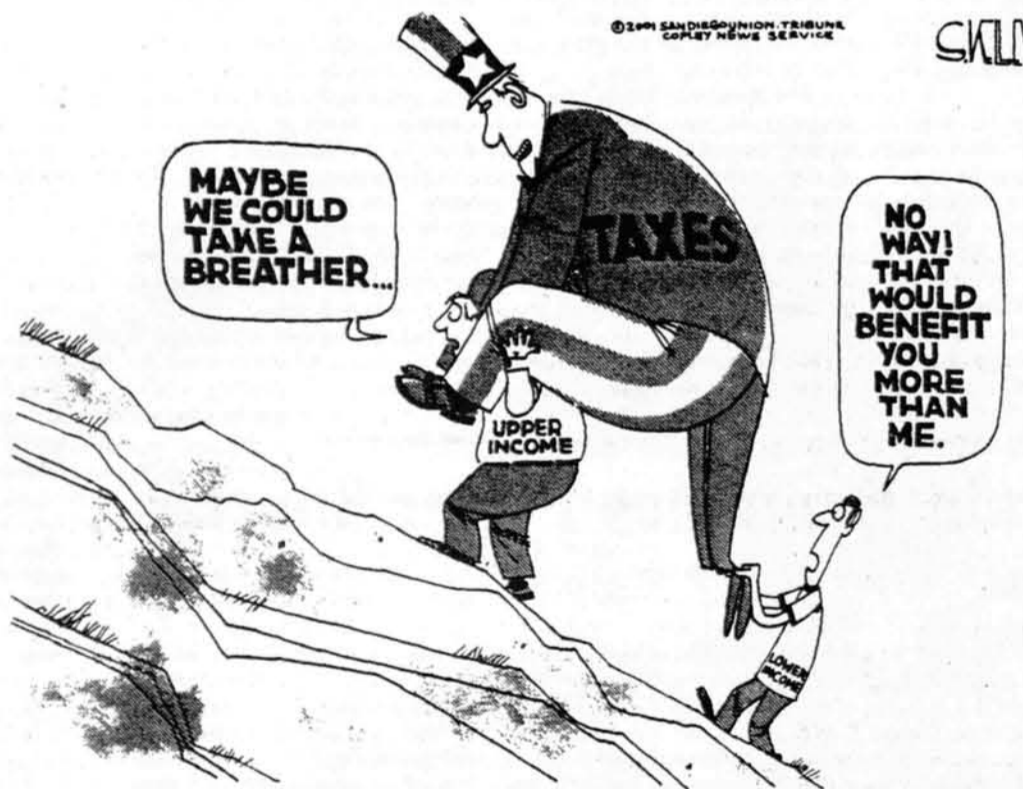
Joseph N. Kaye G

Please bring the Police Logs back! They were a lot funnier than the comics.

Kim A. Falinski '02



"He tried to put me at ease about the impact of his policies by glad-handing and giving me a nickname . . . 'Gullible Gus.'"



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Dubya, the Pied Piper

Mike Hall

Sticks and stones may break your bones, but names will never hurt you — unless, of course, you're President George W. Bush.

At least, that's what Jason Wasfy would have you believe. The estimable former *Counterpoint* editor bemoaned the fact that newspaper columnists used the nickname "Dubya" when referring to our new president ["Dubya or Double-yoo?", *Counterpoint*, Feb. 2001]. Wasfy believes that the nickname "plays on subtle stereotypes of Southerners ... [as] backward rednecks whose intellects are as slow as their slurred accents and relaxed lifestyles."

On one hand, Wasfy's right. Many columnists, myself included, have been guilty of propagating this unfair stereotype by using "Dubya" in our columns. Therefore, I apologize for insulting Southerners by associating them with George W. Bush.

I also apologize to you, the reading public, for not coming up with better ways to belittle the president. After all, why stop at "Dubya" when he's done plenty of other boneheaded things? Like delivering verbal miscues, such as: "I am mindful not only of preserving executive powers for myself, but for predecessors as well." Or crashing and burning at Midland. Or trading away Sammy Sosa.

On the other hand, though, Wasfy misunderstands why columnists began calling

Dubya "Dubya" in the first place. He's right when he says that the nickname is being spun "to make the president seem more informal, a regular guy like the rest of us." But he's wrong when he assumes that the media are doing the spinning. Rather, it's a conscious effort by Dubya and his staff to

Bush could sweet-talk Democrats away from their agendas under his "charm offensive."

make him seem like Joe Public. After all, most Joe Publics don't go to Andover and Yale. During the 2000 campaign, Dubya learned that Americans no longer wanted a father figure in the White House. They wanted a friend.

And as far as friendship goes, Dubya's the best friend anyone's ever had. His best skill — perhaps his only skill — is his backwater bonhomie. Throughout his professional life, Dubya's realized that the bond of friendship can smooth over any ideological divide, whether in business or in politics. Unlike Al Gore, Dubya gave the American people the impression that he was listening to them and

that he actually gave a damn about their petty problems. He also gave Democrats and independents the hope that, as his new friends, they would have a say in the path of policy over the next four years.

Of course, that's where the danger lies in Dubya's "charm offensive." Like the Pied Piper, he has the ability to charm Democrats with a song of friendship before leading their policies to a watery grave. With his open hand, he's invited the Kennedys to a White House screening of *Thirteen Days* and himself to the Democratic congressional retreats.

But with his closed fist, he's aiming square for the Democrats' breadbasket. He's already given social liberals cause for concern by halting overseas aid tied to abortion and by advocating faith-based initiatives — both within days of becoming president. His selection of John Ashcroft for Attorney General demonstrates further that Dubya doesn't care about protecting civil liberties. If Dubya's charm makes Democrats let their guard down, there's no telling what damage he will do to our freedoms.

Sadly, there are signs already that Dubya's "charm offensive" is working. He has astronomically high personal approval ratings, even for a president still in his honeymoon stage. He's even managed to charm my friend, Mr. Wasfy. Jason's a smart man by any other measure, but even he can't resist the president's charms. If Dubya can charm him into the river, then the rest of the country can't be far behind.

The Freedom of Life

Kris Schnee

There is a technology being perfected right now that will transform every aspect of our culture, from international politics to mating rituals. It is a threat to the status quo, some say, and must be stopped in its tracks. This fearsome technology is, of course, the automobile.

Oh, wait, that was *last* century's apocalypse.

This time, the invention making the headlines is genetic engineering, brought to the forefront once more by this week's publication of the Human Genome Project data (in *Nature* and *Science*) and a fresh wave of short-sighted criticism. Contrary to the fears some people express, the new technology will be not only exciting but beneficial to the world, if we safeguard our freedom to use it.

In *The Washington Post*, George F. Will writes of ANDi (for "inserted DNA"), the first genetically-modified primate. Rather than hailing the advance for its scientific and medical value, Will blasts ANDi as "The Monkey That Could Mean the End" for the human race.

Will sees "a slippery slope to the abolition of humanity" because any genetic change creates "a despotism of the enhancer over the enhanced, a despotism that would not be justified even if the enhancement really were an improvement."

But there is no shred of merit in Will's argument. Does a doctor become a despot over the children he physically enhances by vaccinating them against diseases like polio? Are your parents despots for sending you to college to enhance your abilities? The use of genetic engineering does not imply any subservience of the patient to the physician, or in any way affect the debt children owe their parents.

And what is "enhancement," anyway? Will and other critics draw a razor distinc-

tion between "therapeutic" use of genetics and the more ambitious uses they term "eugenics." This word is used to breed hate and fear of honest science. Eugenics means sterilizing and killing people, and you will not find a biologist this side of Nuremberg who endorses it. Instead, genetics offers the voluntary use of medical technology to greatly extend human life. There is no clear line between the correction of a genetic defect that causes ill health and the selection of a gene that confers good health. To divide the one from the other and limit medicine to the achievement of some "average" level of

Genetic engineering will be beneficial to the world, if we can safeguard our freedom to use it.

health is absurd, when the "average" human is half male and half female and owns a fraction of a dog. Why stop benefiting human lives at some arbitrary dividing line?

To be sure, the potential exists for the abuse of genetic technology. The use of genetic tests for discriminatory purposes, the creation of biological weapons, the enslavement of any intelligent being, and the use of any medical therapy against a patient's wishes — even pre-genetic medicine, to which some religious groups are opposed — are all practices that threaten lives and freedom, and that we would do well to ban.

We must be careful, though, not to let extremists control our future by restricting technologies that do not physically threaten anyone. For example, human cloning will (if its success rate improves) be a viable reproductive option for couples unable to have children the fun way. "Test-tube babies" already exist as normal people, proving that technological wizardry subtracts nothing

from a person's humanity. There is nothing to be afraid of, so long as individual freedom is protected. Those who disapprove of cloning, gene therapy, or any other procedure will be free to choose not to use it, and will respect the wishes of those who disagree. Everyone will win.

The United Nations has already shown concern for the responsible use of genetic technology. In 2000, the UN adopted a Declaration on the Human Genome and Human Rights. The declaration is generally a positive step for research. It calls for the free exchange of information on the human genome, the maintenance of science's normal high standards of intellectual honesty, and the prevention of biological warfare.

However, there are signs that UN leaders may overstep their bounds, sacrificing human freedom in the name of the hazy word "dignity." The Declaration calls for the identification and suppression of technological "practices contrary to human dignity," and specifically names reproductive cloning and possibly even germ-line gene therapy. A pie in the face is a threat to human dignity! Once again, the issue is whether individuals will have the freedom to choose what's best for themselves, or whether some elite will force its stance on everyone. Do you prefer your dignity or your liberty?

Forcing genetic technology on everyone to create some "perfected" version of humanity would be an effort doomed to failure, and would bring great suffering in the process. Denying the technology to the world would be just as perverse, cheating us all of longer and healthier lives. But if we stay true to the cause of individual freedom, remembering that no one is "perfect" and that no one has the wisdom to decide what's best for everyone, we'll have a future in which people will choose their own fates and become everything they can be. The world has room enough for many ways of life, and our goal can be to explore them.

Do you prefer your dignity or your liberty?

Correcting Black History

Philip Burrowes

Undoubtedly, some people wonder if there really is a need for a Black History Month. Well, there shouldn't be. The relevant affairs of history should be taught no matter the background of the individuals involved. This was and is, however, not the case. There is a distinct bias in what America's school systems teach and what media outlets report. So long as this persists, we must make a dedicated effort to offset their bias. Black History Month can serve that purpose.

Nobody should deny that "popular" conceptions of Africans and African-Americans were in the past totally inaccurate. Unfounded generalizations about these groups were of such a virulent nature that they should never be forgotten (if even forgiven). Political correctness prevents the people of this country from mentioning them, but ignoring that historical attitude does as great a disservice as the original comments themselves. We must confront that shady underbelly or we are left without a full understanding.

Consider the Voting Rights Act of 1965. President Lyndon B. Johnson had to send a bill to Congress in order to eradicate poll taxes, literacy tests, and other impediments constructed expressly to keep blacks from voting. Yet the 24th Amendment explicitly outlaws the poll tax as a means of impeding voting. Nearly a century before that, the 14th Amendment made

There is a distinct bias in what America's school systems teach and what media outlets report.

state *de jure* denial of the right to vote (among other provisions being violated by poll taxes and their ilk) unconstitutional. In other words, on numerous occasions this country has persisted in violating its own laws for the sole purpose of harming blacks.

So what, one may ask. *That is now behind us.* What it means is that the country has barely been adhering to its own set of codes for three decades (not to mention the numerous laws, like visa quotas for Caribbeans, which currently exist and can be construed as perpetuating such injustice), an adherence surpassed by numerous Third World countries. What history teacher would ever say, however, that this country's rule of law concerning peoples of African descent is barely on par with that of a consolidating democracy? Sadly, it is the case that America would be more willing to simply gloss over its own demons than dredge them up for the sake of education.

It is not just the negative that is ignored, however. The positive contributions of blacks are often overlooked because of the context from which they emerge. Slave labor was the cornerstone of the American economic juggernaut, but to attribute anything positive to the slave trade seems amoral. Blacks' contribution to American music is enormous, but because of general misconceptions regarding art, it seems to reinforce intellectual stereotypes. Reconstruction-era strides made by blacks in state legislatures are rarely acknowledged because of their seemingly ephemeral nature.

Such apprehensive neglect does not appear with western European figures, however. Monarchs are heralded despite their wanton perpetuation of history's firmest caste system. Chivalry is praised, unabashed sexism and all. Any war is littered with regrettable events, yet each is still recorded in detail within the annals of history. Buffalo Soldiers, Tuskegee Airmen, and the Nat Turner rebellion deserve that same respect. Otherwise, African-Americans are left to contend with a vast misestimation of themselves and their forefathers.

Acknowledging and confronting these historical biases one month a year will not do away with them, and in that the doubters of Black History Month have a point. In fact, it can easily reinforce the artificial dichotomy between the histories of the races. The solution to that quandary is not to sit by idly, however, for that breeds a complacency which prevents America from even wanting change. Instead, the open admission of the faults in this country's chronicle of history should be an impetus for any self-respecting historian to incorporate the full truth into future texts. Black History Month exists so that, one day, it will not need to.

Abortion: Living for The Debate

Christopher D. Smith

Decades of political and social conflict over abortion have seen the issue transformed into the *raison d'être* for many women's rights organizations. As proof, take the recent invective over the nomination of former Sen. John Ashcroft (R-Mo.) for U.S. Attorney General, and the subsequent outrage over President Bush's reinstitution of the so-called Mexico City policy.

The Ashcroft nomination inspired a major mobilization by the National Organization for Women and the National Abortion and Reproductive Rights Action League, the two most visible women's rights groups. Their efforts to stop Ashcroft was the most vocal opposition to a presidential nomination since Bush the Elder nominated Clarence Thomas for the U.S. Supreme Court in 1991. In contrast to the Thomas-Hill fracas, the Ashcroft fight revolved around somewhat specious questions over Ashcroft's ability to separate his strong pro-life views from his duties as head of the Justice Department.

Further complaints followed President Bush's executive order to halt funding for organizations providing abortion counseling and services abroad. Surely, this is a tough stance, but it is reasonable given that many Americans feel it is inappropriate for the government to fund foreign abortions, especially when many foreign nations are culturally opposed to abortion.

Very telling were NARAL President Kate Michelman's comments after the White House announced the new policy. "Bush's actions and statements," she said, "have demonstrated his agenda to restrict access to reproductive health services for women whenever possible."

Michelman reveals an emerging truth about the feminist establishment. This establishment believes abortion rights to be at the heart of reproductive rights, which are the third leg of the women's liberation triad (with the abolition of gender roles and economic inequality as the other two components). Because of abortion's importance, protecting "a woman's right to choose" has become the central mission of most women's rights organizations.

There is a snide zeal present at the top of women's rights groups which invites speculation into how detached these leaders are from ordinary women.

More than simply an issue of private conscience, abortion strikes at the heart of what it means to be a woman. As the top feminists see it, the capacity to bear children is emblematic of past oppression and antiquated notions of womanhood. Too often in the past, it was a capacity which limited the kinds of lives women were able to lead and the freedoms which they were able to enjoy.

Women suffered from cumbersome stereotypes and condescending social customs associated with being the bearers of children. In trying to break out of the restrictions which these unfair traditions placed on women, feminists seized on the right to abortion as one of a cavalcade of rights which would jettison tradition forever.

However, Michelman's statement demonstrates how central abortion has become to women's rights advocates' conception of women and the institution of motherhood. Each pregnant woman stands instinctively compelled to abort her child, kept from this only by pernicious government policy or fortunate whim. Gone are the days when abortion was a terrible solution to pregnancy approached with pained reluctance.

There is a snide zeal present among those at the top of women's rights groups which invites speculation into how detached these leaders are from ordinary women. Most women are or will be mothers, and consequently view "mom" as a title of nobility. While motherhood is clearly not for all women, it is still essential to the women's historical narrative, and as important a symbol of womanhood as any.

The Day the Music Died

Roy Esaki

This past Monday, much to the chagrin of music pirates everywhere, the Ninth Circuit Court of Appeals affirmed much of an earlier court's injunction against Napster, the online music swap shop that has been charged for being a "contributory and vicarious copyright infringer." Both this ruling and Napster's voluntary movement toward charging user fees seriously threaten the existence of the free musical buffet. Though it's hard to admit it, after considering how 50 million people could at the very least acquiesce to an unequivocally illegal and unethical copyright infringement, the ruling marks a positive step towards the development of a more principled society.

Legally, Napster's position is that it serves as a mechanism for fair use, by allowing for sampling, transferring of already-owned songs to a different format, and permissive use (where the artist has given express consent). It adamantly claims that it should not be held accountable for violations by individual users, and it does not infringe copyrights (though it claims intent to compensate rightsholders and artists). That's a debatable and complex legal contention, deemed untenable by the Circuit Court, and there's not much individual users can do about it.

What individuals can (and should) be concerned with is whether Napster is ethical. The question of ethics concerns not Napster's legal standing, but each user's individual actions. On a personal level, it is absolutely unequivocal that copying ripped songs that one didn't pay for is copyright infringement

and thus is illegal. Establishing legality doesn't inherently yield ethical behavior, however. Underage drinking, driving over the speed limit, and engaging in civil disobedience are all illegal, but arguably not unethical.

The morally conscientious citizen, however, should have a good reason for breaching the law. The boldest rationalization for using Napster is that cash-strapped, oppressed consumers need to fight back against the monopolistic recording industry. The most extreme justification would propose that teaching

It's wrong and dishonest to steal property, real or intellectual, no matter how easy it is, how rich the victim is, or how much one desires the goods.

their current wealth, and if the scavenger wasn't going to buy the CD, then the recording industry doesn't even lose any potential profits. This argument is especially convenient when the artists are no longer alive, like Frank Sinatra, the Andrews Sisters, or Rachmaninoff. It's essentially analogous to sneaking into a movie theater through the back door, but without the risk of getting caught. It's not right, but most feel that it's not terribly wrong either.

But it is. It's wrong and dishonest to steal property, real or intellectual, no matter how easy it is, how rich the victim is, or how much one desires the goods. We're not Jean Valjeans or Robin Hoods; we don't vitally need the music, nor are we serving the public good by our complicity in pirated music. But we don't really care. It's a somber testament to our fallibility and our weakness that even the acknowledgement of the unethical nature of Napster doesn't deter us from using it.

It will be a sad day when the free Napster is shut down, as probably will happen. But rather than scampering to the alternate vices of Gnutella or Freenet, we should rejoice in the opportunity, created by our justice system, to emerge from the Napster scandal with greater integrity and principles.



Analyzing the Abortion Argument

Veena Thomas

The famous *Roe v. Wade* decision occurred in a very different culture than today. In 1965, a Connecticut statute prohibited the use of contraceptives, and in 1972, a law banned the distribution of contraceptives to unmarried people. In 1973, *Roe v. Wade* legalized abortion before fetus viability, and left it to the states to determine laws for abortion after that time. The court case allowed women access to legal abortions in an age without the technology and prophylactics that we have today.

Fast-forward 30 years. The contraceptive options are staggering. Besides the male condom, the female condom, and the pill, women can have implanted contraceptive devices, or periodic injections. Add to these the emergency contraception pill, and there is scarcely a reason, besides rape, for accidental pregnancy. If few people inadvertently become pregnant, few abortions need be performed.

Yet the abortion debate rages on. The *Roe v. Wade* decision allowed desperate women a last option for ending an unwanted pregnancy. However, currently many abuse this ruling and use abortion as a form of birth control, to the extent of being irresponsible about contraception. Why? Misinformation abounds. While we've all heard both the pro-choice and pro-life arguments before, few actually know anything about the issue. We're MIT students; we need real scientific information. What are the actual facts surrounding the abortion debate? What is each side not telling you? Read the facts, and make up your own mind.

It's difficult to find completely impartial abortion information. The most unbiased information stems from medical resources. A search on <http://www.webmd.com> for "fetal development" provides some interesting information. A doctor can often detect a heartbeat in a four-week-old embryo. At five weeks, when the abortion pill RU-486 is most effective, the half-inch embryo has hands and feet. At seven weeks, the outer edge of effectiveness, the inch-long embryo has arms, elbows, and developing ears. A 13-week-old embryo sucks its thumb. By the age of 16 weeks, the fetus distinguishes sweet from bitter, senses light, makes facial expressions, and even yawns and hiccups. The fetus can hear sounds at around week 18, and will even cover its ears if startled by a loud sound. By 24 weeks of

age, the baby's brain waves resemble a full-term newborn's.

Although these are strictly the medical facts, you won't find these facts on pro-choice websites. It's far easier to choose abortion if the fetus is viewed as a tissue mass with de-emphasized human features.

What, then, of RU-486? Hailed as a gentler nonsurgical abortion, it allows a woman the ability to terminate her pregnancy privately at home. Yet with this control comes drawbacks. What happens if a woman taking RU-486 at seven weeks sees a tiny foot, an arm, or her entire aborted embryo lying in the toilet bowl or on the floor of the shower stall?

All of this traces back to the fundamental question: when does life begin? Pro-lifers believe that "life begins at fertilization," and accuse pro-choicers of redefining life and pregnancy to suit their needs. What, then, is pregnancy? Pro-lifers maintain that pregnancy,

Banning birth-control pills, an easy, convenient, and effective method of birth control, would undoubtedly result in many more unwanted pregnancies and more abortions.

like life, begins at fertilization. However, the pro-choice camps state that pregnancy begins with the implantation of the embryo in the uterine lining. Therefore, pro-choice groups support use of the emergency contraception pill (ECP), or "morning-after pill," as a safe and 75-to-89-percent effective way of preventing an unwanted pregnancy, not terminating it, while pro-life groups see use of the ECP as murder. Which is true?

The pro-life groups fail to mention that ECPs are merely ordinary birth control pills taken in high doses up to 72 hours after intercourse, and therefore work in the exact same way as regular birth-control pills. Both contain combinations of female hormones estrogen and progesterin. Since they have three functions, birth-control pills are over 99 percent effective (when used correctly) in preventing an unwanted pregnancy. They stop a

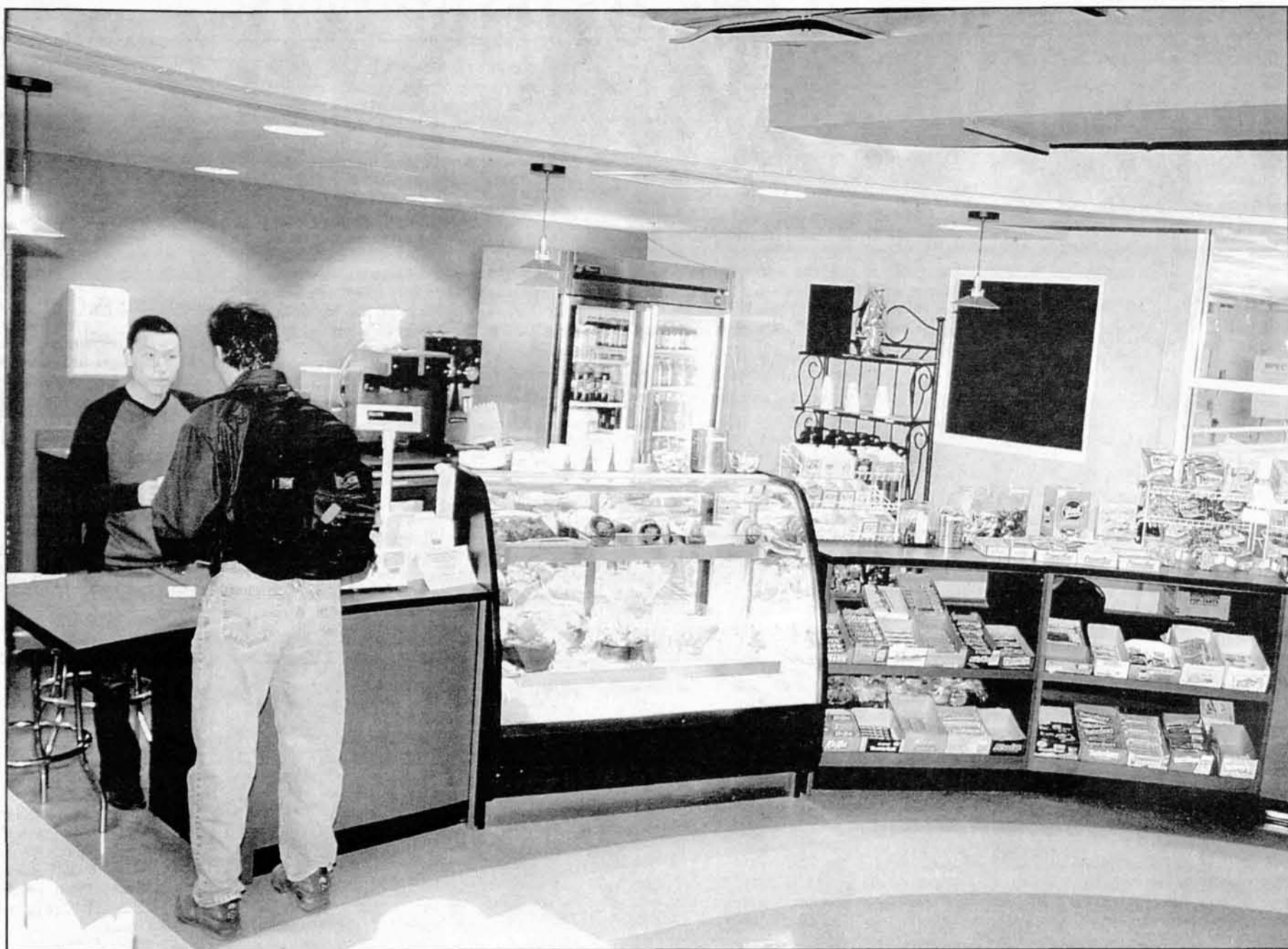
woman's egg from completely forming, preventing fertilization. However, if a woman takes the pills more than 24 hours apart, sometimes her eggs develop properly. Due to another function of the pill — thickening the cervical mucus, which hinders sperm trying to fertilize — the pill can still prevent pregnancy even with a developed egg. Even if somehow the egg is fertilized, the pill still changes the uterine lining enough to prevent implantation of a fertilized egg, therefore preventing pregnancy.

ECPs, taken up to 72 hours after intercourse, work like birth-control pills, but faster. ECPs prevent full formation of an egg if the woman has not yet ovulated, and thicken the cervical mucus to prevent fertilization. However, if fertilization has already occurred, the ECP will prevent implantation, allowing the fertilized egg to pass through the body before a pregnancy can begin.

But, pro-life groups charge, use of ECPs does not amount to prevention of a pregnancy, but, rather, an abortion. Yet they remain curiously silent on the matter of birth control pills used regularly by women. Since birth control pills could potentially lead to the prevention of implantation of a fertilized egg, does this very common form of contraception amount to abortion? Why are pro-life groups only speaking out against birth-control pills when used as ECPs? Do pro-life groups advocate banning birth-control pills, and only allowing barrier methods of contraception, such as condoms?

Let's hope not. Banning birth-control pills, an easy, convenient, and effective method of birth control, would undoubtedly result in many more unwanted pregnancies and more abortions. Caught up in the midst of the abortion debate, many seem to forget this: no one, not even pro-choice people, likes abortion. Therefore, both groups should work towards reducing the need for abortions.

How can we accomplish this? We need to educate everyone about biology, contraceptives, and the reality of abortion. Right-wingers should not continue to condemn abortion while simultaneously opposing everything but abstinence-based sexual education in the schools. *Roe v. Wade* may have been necessary in 1973, but with today's contraceptive breakthroughs, abortion's role should diminish. The primary barrier to successful ECP use is lack of information, stressing the need for education. If MIT students don't know the facts, then who does?



ELLEN J. SIEM

Rick C. Montesanti '01 purchases a drink from Rick Y. Chang '01 at the newly renovated Coffeehouse, which reopened at the beginning of the term. The renovations remodeled the serving area over winter break; summertime work upgraded the rest of the area.

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THE ARTS

FILM REVIEW ★★

Hannibal

A Big Slice of Nothing, Sauteed

By Rebecca Loh and Vladimir Zelevinsky
STAFF WRITERS

Directed by Ridley Scott

Written by David Mamet and Steven Zaillian
With Anthony Hopkins, Julianne Moore, Gary Oldman, and Ray Liotta

The morals of *Hannibal* the movie:
(a) It's wrong to betray people for money;
(b) It's wrong to kidnap people, and even more so if you plan to feed them to wild, flesh-eating pigs;

(c) It's good to make movies that are based on bestselling novels and that are sequels to hit movies, 'cause you can make a whole lotta money.

Precisely ten years after the release of *The Silence of the Lambs*, Thomas Harris's creepiest character, Hannibal Lecter (once again played by Anthony Hopkins), returns to the big screen. Where *Silence* was a kick-ass movie that also happened to be about something, *Hannibal* is as

lame as it is pointless. The entire point of the movie has already been summarized above.

The most obvious difference between the two films is the absence of Jodie Foster, who played FBI trainee Clarice Starling in the first one. Though Foster officially dropped out because of conflicting projects, a more likely reason is that she read the script and realized the movie would suck.

And that's the screenplay that was written by two greats: David Mamet (*Glengarry Glen Ross*, among others) and Steven Zaillian (*Schindler's List*). Sadly enough, this screenplay is more reminiscent of Mamet's *Ronin* and Zaillian's *Clear and Present Danger* — that is, a whole lot of goings-on with pretty much nothing happening.

Another really cool guy involved here is director Ridley Scott, taking the reins from Jonathan Demme who helmed *Silence* — but Scott's mind here is clearly not on making a coherent narrative. He's more interested in making Hannibal's portrait formed by the flock of pigeons or directing every action sequence by sorta swooshing the camera around (the same method he employed in *Gladiator*).

Anthony Hopkins appears to be the only person enjoying himself. Reprising his role as the psycho psychiatrist, Hopkins dominates the screen, again assuming the hypnotic voice and coolly efficient movements of the good doctor. The difference this time is that he gets to play a good guy, at least compared to the assorted slime-

balls that populate the movie. With Gary Oldman (buried under a pile of makeup) as a vengeful freak and Ray Liotta as a racist, sexist, homophobic, corrupt official, Hannibal "the Cannibal" seems downright warm and cuddly.

And that's much much more than can be said of Julianne Moore's version of Clarice Starling. Physically, Moore fits the part, but that's as close as she gets to capturing the character. Whereas Jodie Foster had given Starling depth and vulnerability in *Silence*, Moore somehow managed to destroy the character, portraying her as cold and efficient, and completely lacking the charisma that made us like her in the original. Besides that, well, let's just say that Foster is much more physically attractive ...

And speaking of attractiveness, the makeup crew for this movie deserves much praise for turning Gary Oldman into one of the most hideous monstrosities in film history. Generally speaking, the gory makeup and special effects are done very well. There are several scenes in the film where the gore is so shocking and disgusting that it is actually pretty damn cool.

The movie is also really not boring (if this sounds like damning with faint praise, it is), but, when all is said and done, it is entirely pointless. It only serves to make money for the studios that released it — and, oh yeah, as a twisted reminder that if you are mean, someone just might come and eat some of your body parts. So there.



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x2-1149, meking@mit.edu

web.mit.edu/alum/connect/students/phonathon

Clubs

Axis

13 Lansdowne St., 617-262-2437

Sundays: See Avalon below.
Mondays: *Static*. Gay, casual dress. \$5, 18+.
Thursdays: *Chrome/Skybar*. Progressive house, soul, disco; dress code. \$10, 19+; \$8, 21+.
Fridays: *Spin Cycle*. Progressive house, 80's. \$12, 19+; \$10, 21+.

Avalon

15 Lansdowne St., 617-262-2424

Sundays: *Gay Night* (with Axis on long weekends). Featuring hardcore house and techno. \$10, 21+.
Thursdays: *International Night*. Eurohouse. \$10, 19+.
Fridays: *Avaland*. House. \$15, 19+.
Saturdays: *Downtown*. Modern house, club classics, and Top 40 hits. \$15, 21+.

Karma Club

9 Lansdowne St., 617-421-9595

Sundays: "Current dance favorites" by guest DJs. Cover varies.
Tuesdays: *Phatt Tuesdays*. With Bill's bar, modern dance music. \$10.
Wednesdays: *STP*. Gay-friendly, house. \$15, 21+.
Thursdays: *Groove Factor*. House.
Fridays: *Pure*. Drum and bass, guest DJ. \$15, 19+.
Saturdays: *Elements of Life*. International House. \$15.

ManRay

21 Brookline St., Cambridge, 617-864-0400

Wednesdays: *Curses*. Goth. Appropriate dress required. \$5, 19+; \$3, 21+.
Thursdays: *Campus*. Popular tunes + House. Gay, casual dress. \$10, 19+; \$7, 21+.
Fridays: *Fantasy Factory* (First and third Friday of the month. Features kinky fetishes and industrial music.) *Hell Night* (every second Friday, 19+). Includes Goth music.) *Ooze* (the last Friday of the month.) \$10, 21+; reduced prices for those wearing fetish gear.
Saturdays: *Liquid*. Disco/house + New Wave. \$15, 19+; \$10, 21+.

Popular Music

Axis

13 Lansdowne St., 617-262-2437
Next: 423-NEXT

Mar. 3: Grand Theft Audio.

Avalon

15 Lansdowne St., 617-262-2424

Feb. 20: Aaron Carter.
Apr. 5: Cowboy Mouth.

Berklee Performance Center

Berklee College of Music
1140 Boylston St.
Free student recitals and faculty concerts, 4 p.m. and 7 p.m. some weekdays. For info on these concerts, call the Performance Information Line at 747-8820.

Feb. 22: Paolo Conte.
Feb. 24: Dave Brubeck.

Club Passim

47 Palmer St, Cambridge, 617-492-7679

Tuesdays: *Open Mic* at 8 p.m. (sign up at 7:30). \$5.

Feb. 16: Dave Mallett.

Feb. 17: The Jim Kveskin Band with Samoa Wilson.

Feb. 18: Stephan Fearing, Kerri Powers opens.

Feb. 21: James O'Brien and Karough Brown.

Feb. 22: IndieGirl Showcase with Chris & Meredith Thompson, Melissa Morris, Rachel McCartney, Lis Harvey, Amanda Garrigues, Stephanie Fix.

Feb. 23: Freedy Johnston, Mark Erelli opens.

Feb. 28: Rachael Sage and Trina Hamlin.

Fleet Center

Ticketmaster: 931-2000.

Mar. 27: Sarah Brightman. \$75, \$55, and \$35.

Jun. 5-6, 8-9: U2. All dates but Jun. 9 sold out.

The Middle East

Ticketmaster: 931-2000.
Ticket prices vary. Call 354-8238 for more info.

Feb. 16: Labradford, Pan American.

Feb. 17: Heroin Sheiks.

Feb. 17: Raging Teens Record Release Extravaganza: The Racketeers, The Bourbonaires, Kings of Nuthin', The Starline

On The Town

A weekly guide to the arts in Boston
February 16 - 22
Compiled by Fred Choi

Send submissions to ott@the-tech.mit.edu or by interdepartmental mail to "On The Town," The Tech, W20-483.



THOMAS MOORE

Soulful female vocalist Rachael Sage shares the bill with Trina Hamlin on Wednesday, February 28 at Club Passim.

Rhythm Boys, The Colonel and His Lucky Diamonds, The Konks, 13 Ghosts, King Memphis, The Jimmy Nations Combo, The Bombastics.
Feb. 22: White Stripes, Knoxville Girls, The Gossip.
Feb. 24: Hybrasil, Laurie Sargent, Heidi Saperstein.
Feb. 24: Gamelan Presents: Yonder Mountain String Band, Gordon Stone Band.
Feb. 25: The Explosion.
Mar. 13: The Donnas, Bratmobile, Mooney Suzuki.
Mar. 30: Planetary Group Presents: Amfibian featuring Tom Marshall.

Orpheum Theatre

1 Hamilton Pl., Boston, 617-679-0810
Ticketmaster: 931-2000

Feb. 17: Erykah Badu.
Feb. 21: Trey Anastasio.
Feb. 24: Jose Luis Perales.
Mar. 3: Moe.

Sanders Theatre

45 Quincy St., 02138, 617-496-2222

Mar. 4: Ladysmith Black Mambazo.
Mar. 10: BeauSoleil.
Mar. 23: John Gorka.

T.T. the Bear's Place

10 Brookline St., Cambridge, 617-492-BEAR

Feb. 17: CD Release For Wide Iris.
Feb. 21: Town And Country.
Feb. 24: Emm Gryner, Meghan Toohey.
Feb. 28: After This, Live Wire.

Jazz

Music

Regattabar

Concertix: 876-7777
1 Bennett St., Cambridge 02138, 617-662-5000

Feb. 16-17: Irma Thomas.
Feb. 20: Robbie Lee Quintet.
Feb. 21: Bob Nieske 3 and the Lydian String Quartet.
Feb. 22-24: Ron Carter Quartet.
Feb. 27: Steve Lacy Trio.
Feb. 28: Greg Piccolo & Heavy Juice.

Scullers Jazz Club

DoubleTree Guest Suites, 400 Soldiers Field Rd., Boston, 617-562-4111

Feb. 16-18: Abbey Lincoln.
Feb. 21: Alon Yavnai Sextet, featuring special guest George Garzone.
Feb. 22: Laszlo Gardony.
Feb. 23-24: New York Voices & Band.
Feb. 27-28: Al Di Meola.

Classical Music

Boston Symphony Orchestra

Tickets: 266-1492.
Performances at Symphony Hall. Call for ticket prices.
For MIT Students: Tickets are offered for Th. evening concerts (8 p.m.) and Fri. afternoon concerts (1:30 p.m.) and are available on the day of the concert only at the BSO Box Office at Symphony Hall (301 Mass. Ave. Open 10 a.m.-6 p.m.). Two tickets may be obtained with two current valid MIT student IDs, subject to availability. For updated MIT student ticket availability, call 638-9478 after 10 a.m. on the day of concert.

Feb. 22-24 at 8 p.m.: Williams: Cello Concerto; Strauss: Don Quixote Fantastic variations on a theme of knightly character, Op. 3. Seiji Ozawa, conductor; Yo-Yo Ma, cello; Steven Ansell, viola. Sold Out.

The Wellesley College Choir

Feb. 16 at 7:30 p.m.: The 40-women strong Wellesley College Choir presents a performance directed by Vincent Metallo of sacred French repertoire, including the works of Francis Poulenc and Gabriel Faure. The concert will also venture into the contemporary works of composers such as Aaron Copland and Norman Dello-Joio. As part of its Presidents' Day Weekend tour, the Wellesley, MA based college choir will be visiting St. Paul's Church, 15 St. Paul Street, Brookline, MA 02446. Call 617-566-4953 for directions to the evening concert. Tickets \$10 at the door. For more information, call Choir Tour Manager Michelle Kim at 781-283-4407.

Chameleon Arts Ensemble

Feb. 17 at 8 p.m. at the First and Second Church, 66 Marlborough Street in Boston's Back Bay (Arlington Stop on the Green Line): The Chameleon Arts

Ensemble of Boston presents chamber music by George Crumb, Luciano Berio, Paul Hindemith, and Franz Schubert. Tickets \$28, \$20, \$14, discounts available for students and seniors. For tickets or more information, call 617-427-8200 or visit <<http://www.chameleonarts.org>>.

Theater

Crazy for You

Thurs.-Sat. Mar. 8-10 at 8 p.m., Sun. Mar. 11 at 7 p.m., Sat. and Sun. Mar. 10-11 at 2 p.m. at the Boston Conservatory Theater (31 Hemenway St., Boston). The Boston Conservatory presents the Broadway hit which celebrates the exuberance of a Broadway determined to ride out the Depression with high style and New Deal optimism. Book by Ken Ludwig, Lyrics by Ira Gershwin, Music by George Gershwin. Tickets: \$26 general, \$13 seniors, \$7 students. For more info or for reservations, call the box office at 617-912-9142.

The Doctor's Dilemma

Through Mar. 14. At the Loeb Drama Center (64 Brattle St., Cambridge 02138), presented by the A.R.T. and directed by David Wheeler, by George Bernard Shaw. London's finest physician is on the horns of a dilemma - having discovered a miracle cure for tuberculosis, should he treat a penniless fellow doctor or save a talented yet unscrupulous artist? A keen-eyed examination of medical morals and malpractice and a witty and compassionate comedy. Call 617-547-8300 or visit <<http://www.amrep.org>> for more information or to reserve tickets.

Mother Courage and her Children

Through Mar. 18: At the Loeb Drama Center (64 Brattle St., Cambridge 02138), presented by the A.R.T. With war raging all around, a desperate woman mockingly nicknamed for her cowardice under fire - struggles to keep her business and her family alive. Hungarian director Janos Szasz makes his U.S. debut in this visionary production, based on Bertolt Brecht's classic masterpiece of struggle and survival. Call 617-547-8300 or visit <<http://www.amrep.org>> for more information or to reserve tickets.

Comedy Connection

Mon.-Wed. at 8 p.m.; Thurs. 8:30 p.m.; Fri. and Sat. 8 p.m., 10:15 p.m.; Sun. 7 p.m. The oldest comedy club in Boston showcases big-name, national comedians on weekends and up-and-coming local talent during the week. At 245 Quincy Market Place, Faneuil Hall, Upper Rotunda, Boston. Admission \$10-\$8 (weekend prices vary). Call 248-9700 for more information and a complete schedule.

Blue Man Group

Charles Playhouse, 74 Warren Street, Boston, indefinitely. Curtain is at 8 p.m. on Wednesday and Thursday, at 7 and 10 p.m. on Friday and Saturday, and at 3 and 6 p.m. on Sunday. Tickets \$35 to \$45. Call 426-6912 for tickets and information on how to see the show for free by ushering.

Exhibits

Institute of Contemporary Art

955 Boylston St., Boston, 02115, 617-266-5152 (Hynes Convention Center T-stop). Gallery hours: Wed., Fri. 12-5 p.m., Thurs. 12-9 p.m., Sat. and Sun. 11 a.m.-5 p.m. Features a wide variety of contemporary conceptual art with shows which emphasize artists from outside the United States. Admission \$6 adults, \$4 students and seniors, free to children under 12 and members. Admission free on Thursday evenings after 5 p.m. Wheelchair accessible. For more information visit <icaboston.org>.

Olafur Eliasson: Your Only Real Thing Is Time

Through Apr. 1, 2001: By isolating organic, ephemeral materials such as water, ice, sunlight, and wind within the spatial and architectural parameters of an exhibition space, the internationally recognized artist Olafur Eliasson creates sublime installations that explore the human perception of natural phenomena. In his first major U.S. museum exhibition, Eliasson has transformed the

ICA's galleries with a series of installations using water and light.

Isabella Stewart Gardner Museum

280 The Fenway, Boston. (566-1401), Tues.-Sun. 11 a.m.-5 p.m. Admission \$10 (\$11 on weekends), \$7 for seniors, \$5 for students with ID (\$3 on Wed.), free for children under 18. The museum, built in the style of a 15th-century Venetian palace, houses more than 2500 art objects, with emphasis on Italian Renaissance and 17th-century Dutch works. Among the highlights are works by Rembrandt, Botticelli, Raphael, Titian, and Whistler. Guided tours given Fridays at 2:30 p.m.

Museum of Fine Arts

465 Huntington Ave., Boston. (267-9300), Mon.-Tues., 10 a.m.-4:45 p.m.; Wed., 10 a.m.-9:45 p.m.; Thurs.-Fri., 10 a.m.-5 p.m.; Sat.-Sun., 10 a.m.-5:45 p.m. West Wing open Thurs.-Fri., until 9:45 p.m. Admission free with MIT ID, otherwise \$10, \$8 for students and seniors, children under 17 free; \$2 after 5 p.m. Thurs.-Fri., free Wed. after 4 p.m.

Mon.-Fri.: introductory walks through all collections begin at 10:30 a.m. and 1:30 p.m.; "Asian, Egyptian, and Classical Walks" begin at 11:30 a.m.; "American Painting and Decorative Arts Walks" begin at 12:30 p.m.; "European Painting and Decorative Arts Walks" begin at 2:30 p.m.; introductory tours are also offered Sat. at 11 a.m. and 1:30 p.m.

Permanent Gallery Installations: "Late Gothic Gallery," featuring a restored 15th-century stained glass window from Hampton Court, 14th- and 15th-century stone, alabaster, and polychrome wood sculptures from France and the Netherlands; "Mummy Mask Gallery," a newly renovated Egyptian gallery, features primitive masks dating from as far back as 2500 B.C.; "European Decorative Arts from 1950 to the Present"; "John Singer Sargent: Studies for MFA and Boston Public Library Murals."

Gallery lectures are free with museum admission.

Museum of Science

Science Park, Boston. (723-2500), Daily, 9 a.m.-5 p.m.; Fri., 9 a.m.-9 p.m.; Sat.-Sun., 9 a.m.-5 p.m. Admission free with MIT ID, otherwise \$9, \$7 for children 3-14 and seniors.

The Museum features the theater of electricity (with indoor thunder-and-lightning shows daily) and more than 600 hands-on exhibits. Ongoing: "Discovery Center"; "Investigate! A See-For-Yourself Exhibit"; "Science in the Park: Playing with Forces and Motion"; "Seeing Is Deceiving."

Ongoing: "Friday Night Stargazing," Fri., 8:30 p.m.; "Welcome to the Universe," daily; "Quest for Contact: Are We Alone?" daily. Admission to Omni, laser, and planetarium shows is \$7.50, \$5.50 for children and seniors.

Other Events

Dangerous Curves: Art of the Guitar

Through Feb. 25, 2001: The first comprehensive museum exhibition to focus on the guitar as an objet d'art. Audio guide narrated by James Taylor. The exhibit covers four centuries and features more than 130 instruments from museums and private collections around the world. Highlights include a 17th-century guitar created by famous violin maker, Antonio Stradivari and electric guitars owned by celebrity artists such as Prince and Jimi Hendrix. Tickets: complimentary to MFA members (Number of tickets dependent on level of membership). Adults \$16 on weekdays, \$18 on weekends. Students/Senior citizens \$14/\$16. Children 6 - 17 \$6 for both weekdays and weekends. Children 5 and under free. Adult group visits are available. Visit <www.mfa.org> or call 617-369-3368 for more information.

Sports and Sexuality: Voices from the NFL and Harvard

Feb. 18, 3-5 p.m. at Harvard Hall 104, Harvard College: Speakers include: David Kopay, NFL player from 1962-72 who came out in 1975; Jennifer Allard, head softball coach at Harvard; Reggie Rivers, former NFL player on the Denver Broncos and ABC commentator; Katherine Callaghan a sophomore at Harvard College and a member of the Women's Water Polo Team; and Michael Crosby a junior at Harvard College and captain of the Men's Water Polo Team.

Circle

Every Tuesday, 9 p.m.-1 a.m. A small but energy-filled place to hear local DJs spin a range of great techno/trance. No age restrictions, no dress code, and not uncomfortably crowded, although the people tend to be youngish (20's and early 30's) and mostly there for the music. At the VFW, 371 Summer St, Somerville, MA (take the Red Line to Davis Square). \$5, \$1 before 9:30.

Coop Student Board Election Update

The following student Coop members have been nominated by the Stockholders as candidates for the Board of Directors for the 2001-02 academic year.

M.I.T. UNDERGRADUATE AND GRADUATE STUDENTS:
Fred Fagerstrom
Tina Salmon

Michael Lei
Andrew Starr

HARVARD UNDERGRADUATE STUDENTS:
Oliver Bell
Trina Dutta

Joshua Cable
Elena Schoenberger

HARVARD GRADUATE STUDENTS:
Yael Hadass GSAS
Rod Norman HBS

Paul Nguyen HMS



For Information call or email:
Allan Powell, 499-2025,
aepowell@thecoop.com

HTTP://www.thecoop.com

Any student Coop member may still petition to be on the ballot. Petition papers are available at the customer service desks at all Coop locations or at the Members Services Office, 4th floor, Harvard Square Bookstore, Monday thru Friday, 9am-5pm.

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Time Change this term!

Spring Term 2001 Minicourse Schedule



Athena Minicourses

Spring Term 2001
Time Change! ~~12noon~~ 1:00pm!

	Mon		Tue		Wed		Thu	
1:00 p.m.	12 Feb	Matlab	13 Feb	Matlab	14 Feb	Xess	15 Feb	Maple
7 p.m.		MSO		MSO		Xess		Xess
8 p.m.		Matlab		Matlab		Maple		Maple
1:00 p.m.	19 Feb	Holiday	20 Feb	First Course	21 Feb	Working	22 Feb	WPO
7 p.m.		Pres's Day		First Course		First Course		Frame
8 p.m.		No Classes		Working		Working		Latex
1:00 p.m.	26 Feb	Frame	27 Feb	Frame Thesis	28 Feb	Latex	1 Mar	Latex Thesis
7 p.m.		Frame		Frame		Latex		Latex
8 p.m.		Frame Thesis		Frame Thesis		Latex Thesis		Latex Thesis
1:00 p.m.	5 Mar	HTML	6 Mar	Info Res.	7 Mar	Dotfiles	8 Mar	Serious Emacs
7 p.m.		HTML		HTML		Dotfiles		Dotfiles
8 p.m.		Info Resources		Info Resources		Serious Emacs		Serious Emacs
1:00 p.m.	12 Mar	Matlab	13 Mar	Maple	14 Mar	Xess	15 Mar	Matlab
7 p.m.		MSO		Maple		Maple		MSO
8 p.m.		Matlab		Xess		Xess		Matlab
1:00 p.m.	19 Mar	First Course	20 Mar	Working	21 Mar	EZ	22 Mar	WPO
7 p.m.		First Course		First Course		Latex		Frame
8 p.m.		Working		Working		EZ		EZ

☛ ALL MIDDAY CLASSES @ 1:00-2:00pm. (No noon classes this term.)

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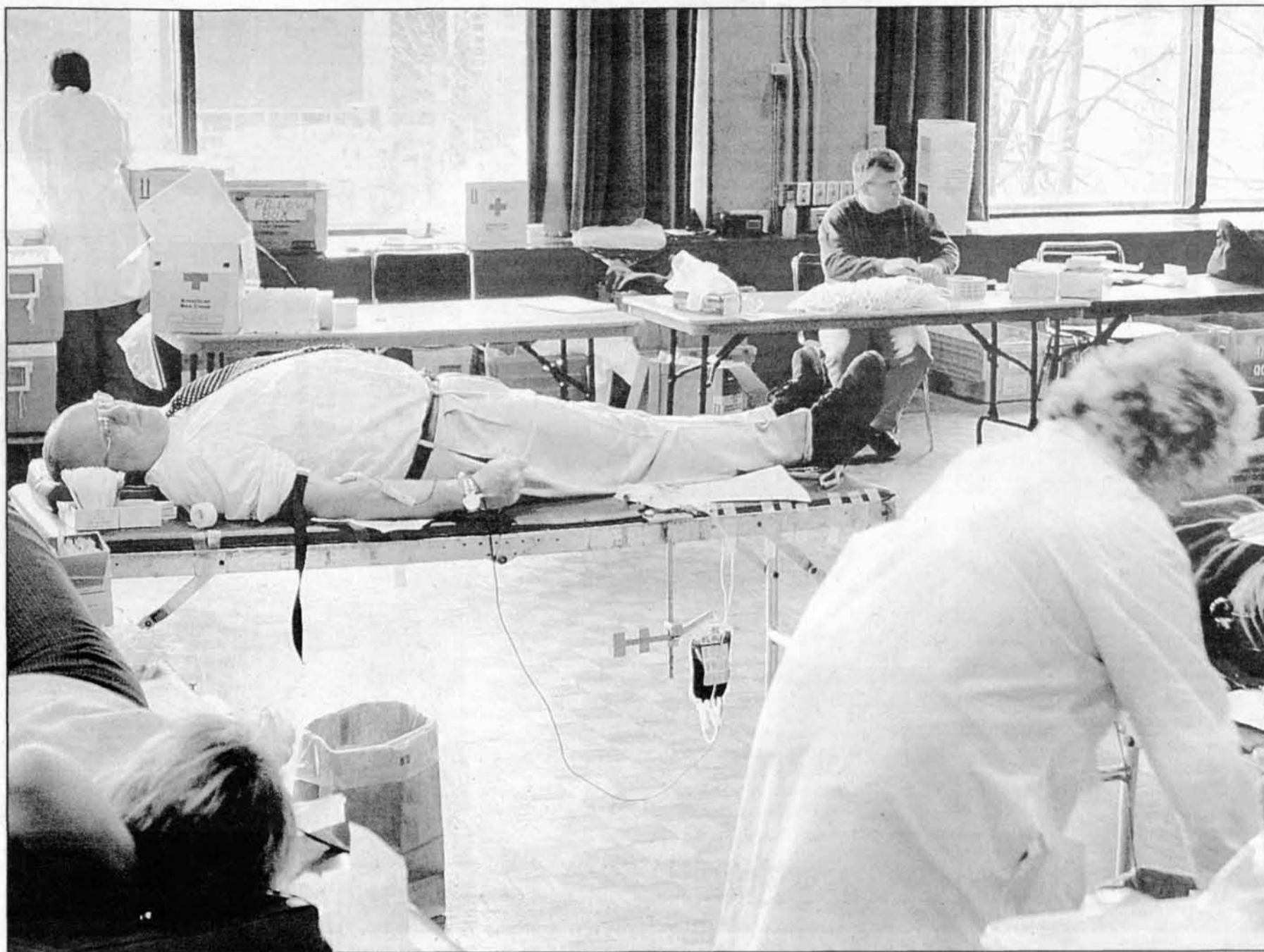
- For course descriptions: see the back of this flyer or web.mit.edu/minidev/
- All minicourses taught in Room 3-343. Minicourses are one hour each.

HOW TO REGISTER FOR A MINICOURSE : You Can't! They're free!

- No Pre-registration Needed... JUST SHOW UP FOR THE CLASS.

☛ Don't wait! Take them now. These won't be offered again until August 2001.

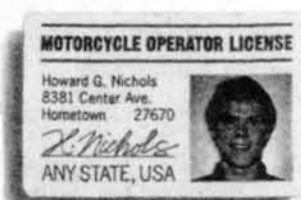
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ELLEN J. SIEM

Harold Larson ScD '67 donates blood yesterday in La Sala de Puerto Rico at the Red Cross Blood Drive. The blood drive closes its week-long stint at 5 p.m. today.

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FARALLON CAPITAL MANAGEMENT, LLC

Farallon Capital Management, L.L.C. is a private investment firm that manages over \$7 billion in equity capital for institutions and high net worth individuals and the firm's investment strategy is event-driven with a focus on merger arbitrage, value equity, real estate, restructurings, distressed debt and liquidations. Investments include equity securities, public and private debt, direct investments in private companies and real estate. The firm is active globally, with positions in the U.S., Europe, Latin America and Asia.

Employment Opportunity

Farallon is seeking **Research Analysts** for its Arbitrage, Public Equity, and Debt groups. Research Analysts will be involved in every aspect of the investment process. The emphasis will be on researching and summarizing company and industry data, conducting industry and competitive analysis, preparing and updating valuation models, and monitoring existing investments. The Research Analyst position offers a unique opportunity to develop a comprehensive understanding of investing and portfolio management in an intense and intellectually stimulating environment.

Qualifications

Farallon is seeking candidates from **all majors** for its San Francisco office. Candidates should have a strong academic background, excellent analytical and quantitative skills and a genuine interest in investing.

Contact Information

Candidates should email a cover letter, resume, GPA, and SAT scores to the attention of Analyst Recruiting at jobs@farcap.com. Material may also be faxed to (510) 217-6495.

Farallon Capital Management, L.L.C.

San Francisco

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London



MATT T. YOURST—THE TECH

John DeWitt of Bowdoin College presents Tuesday's roundtable lecture series on Civic Environmentalism while William Shutkin, MIT lecturer in Urban Studies and Planning, looks on. The talk was hosted by the Environmental Policy Group at MIT, which will host its next roundtable discussion on May 8th.



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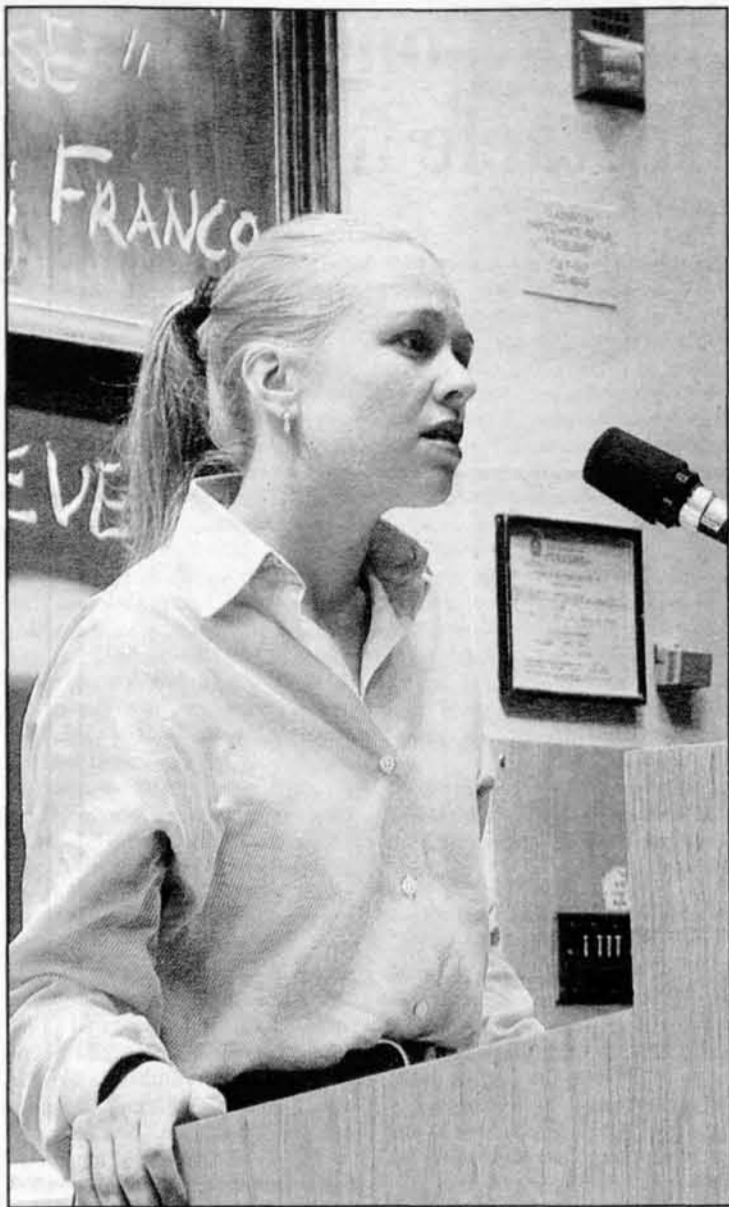
This year we are looking to recruit a number of potential graduates or postgraduates to work in Global Equity Derivatives initially in London, but with the possibility of future opportunities in Continental Europe, the US or Asia.

To find out more about these opportunities attend the Information Session scheduled for the 22nd February from 5.30pm - 7.30pm in Room 24-121(MIT Campus)
(Opportunity details are posted on JobTrak.com under Job ID# 1017442585)

Opportunities exist in the following
business
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MATT T. YOURST



SEPHIR HAMILTON—THE TECH

"It Happens Here, Too"

Raising Awareness About Sexual Assault and Sexual Health at MIT

(left) Katie Koestner delivers an emotional presentation on her experience with date rape last night in 10-250. MIT is one of the hundreds of universities at which Koestner has spoken to raise awareness.

(above) Female students gathered in the Cheney Room on Tuesday to look at experiences of black women in relationships and learn what makes for a healthy relationship. From left to right are Nnennia Ejebe '04, Rita Gresham '04, Aisha Stroman '00, Afiya Whisby '04, Leslie Robinson '04, and Ivana Sturdivant '04. The event is part of a week-long program at MIT to raise awareness for issues relating to sexual assault, sexual health, and relationships.

UA Election Commission

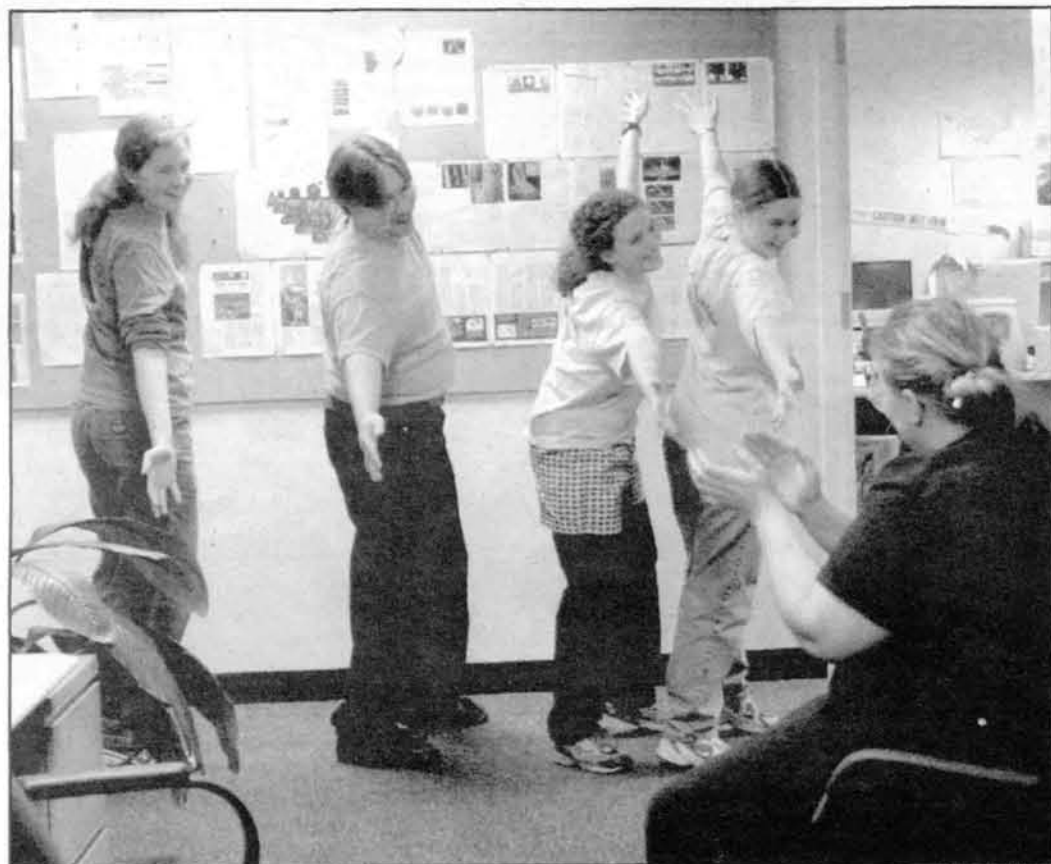
Announces the debut of the....

Transitions Debate Series

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2004	Tuesday, Feb. 27, 2001	@ 8pm
2003	Thursday, March 1st, 2001	@ 8pm
UAP/VP	Friday, March 2nd, 2001	@ 4pm
2002	Sunday, March 4th, 2001	@ 8pm

PACKETS ARE DUE: 2/20/01 @ 5pm



FREDO DURAND

Members of Roadkill Buffet serenade Britton Bradley on Valentine's Day. For five dollars, students could commission the RKB to perform an improvised "DooWop" serenade based on five facts about their sweetheart. The serenaders, from left to right, are Ellie Boyle '04, Ben Balas '02, Jessica Brodtkin '03, and Erin Conwell '03.

Space Concerns Are Obstacle for TEAL

TEAL, from Page 1

Department is willing to turn over the current reading room space to TEAL if the upper administration will give us suitable space for relocation of the reading room." His words were supported by a positive response of the physics faculty at a luncheon held yesterday to discuss the move. "The department seems happy with this other space available," said Belcher.

When asked where the room would be relocated, Redwine said that he would prefer not to release more details because "space is a sensitive issue" and he didn't want to interfere with negotiations. "It might turn out that we could relocate the reading room in a temporary location."

Belcher, however, mentioned that the final location of the reading room might be on the second floor of Building 6.

Belcher devised TEAL concept

Belcher also discussed the origins and his vision for the future of the TEAL program. He said that he developed the idea when, after lecturing 8.02 for three years, he found himself teaching in lecture halls only 50 percent full by the end of the semester. "I didn't think it was effective," he reflected. He felt that with a hands-on approach it was possible to "learn things at a much deeper level with the same amount of effort."

The purpose of the program is to engage students more personally in the process of learning introductory physics. According to the TEAL proposal, students will share laptops in groups of three, with nine students at each of about a dozen round tables in one classroom. A professor will be present for instruction and for help with lab experiments.

Belcher feels that the biggest difficulty in getting the project off the ground was the relative lack of space. He said that Professor Marc A. Kastner, head of the Physics Department, had mentioned that space, not money, was the major concern. With the space, Belcher said that he would have many white boards and four or five screens for projecting the work of students. He said that what he was most looking forward to was "the interaction between students and faculty."

He also said that he has been working with Professor Peter Dourmashkin, Vice President and Dean For Research J. David Litster, and ten UROP students to put together sets of desktop experiments and discussion questions. He also said that the Center for Education and Computing Initiatives is compiling animations and simulations for the class. "A whole host of people are working on software," he said.

TEAL is funded by the d'Arbeloff Initiative, the MIT/Microsoft I-Campus Alliance, the National Science Foundation, and other sources.

Second in a series by **The Bose Institute**

1 2 3 4 5

The Purpose Of Education

We begin our education believing that the facts we learn and the technologies we master are the foundations for our careers.

But changes in careers are common and technologies become obsolete quickly. In fact, alumni records show that it is likely many of us will work in multiple fields or change fields entirely. We may also move from Engineering and Science into non-technical areas such as Marketing or General Management.

The ability to do excellent work in a range of fields, and meet diverse challenges with clear, bold thinking and creative solutions is the hallmark of a good education.

However, to work effectively in fields that are new to us, we can not rely on facts and technologies that may have become obsolete or are not applicable. We must depend on fundamental thinking and problem-solving skills that are effective in any discipline, and in working on virtually any type of problem.

These are analogous to the basic skills — strength and coordination — that a superb athlete will learn in preparation for a lifetime of competition; skills that will serve him or her in a variety of different sports.

For the scientist or engineer, the heart of the learning process is finding and solving interesting problems. This is true whether the subject is Quantum Physics or management. With proper mentoring, the mental struggle of dealing with a difficult and important problem results in the development of mental skills that cannot be learned in any other way, and that are applicable to a wide range of new situations.

The skills we learn include the ability to observe all aspects of a problem, to integrate a wide range of knowledge, to analyze in depth, to obtain insight, and to find and rigorously test creative solutions.

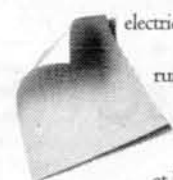
These problem-solving skills are taught by any good teacher no matter what the subject. For maximum benefit the student must realize the importance of these skills to his or her education, and must consciously focus on developing them not only in every course in college, but over a lifetime of learning.

For information about the Bose Summer Internship Program for Engineering Freshmen, contact Janet Slifka at 508.766.6535

BOSE
Better sound through research.

BE LESS PRODUCTIVE AT THE OFFICE.

The office has always been a place to get ahead. Unfortunately, it's also a place where a lot of natural resources start to fall behind. Take a look around the next time you're at work. See how many lights are left on when people leave. See how much paper is being wasted. How much



electricity is being used to run computers that are left on. Look at how much water is being wasted in the restrooms. And

how much solid waste is being thrown out in the trash cans. We bet it's a lot.

Now, here are some simple ways you can produce less waste at work. When you're at the copier, only make the copies you need. Use both sides of the paper when writing a memo. Turn off your light when you leave. Use a lower watt bulb in your lamps. Drink your coffee or tea out of mugs instead of throwaway cups.

IT'S A CONNECTED WORLD. DO YOUR SHARE.

Ad Council
A Public Service of This Publication

Set up a recycling bin for aluminum cans and one for bottles. And when you're in the bathroom brushing your teeth or washing your face, don't let the faucet run. Remember, if we use fewer resources today, we'll save more for tomorrow.

Which would truly be a job well done.

FOR MORE INFORMATION AND TIPS

CALL 1-800-MY-SHARE



Earth Share

This space donated by The Tech

February
16, 2001

COMICS

The
Tech

FUN

Page
15

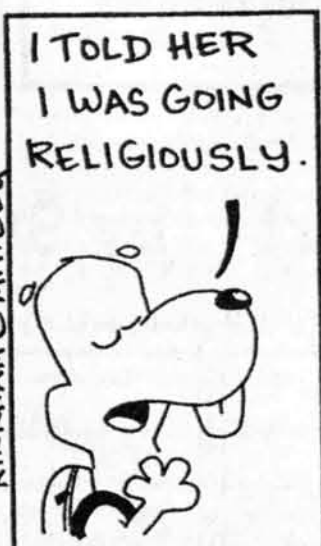
PAGES

Down with Science

by Jennifer DiMase



the crass rat



INSTITUTE MADNESS!

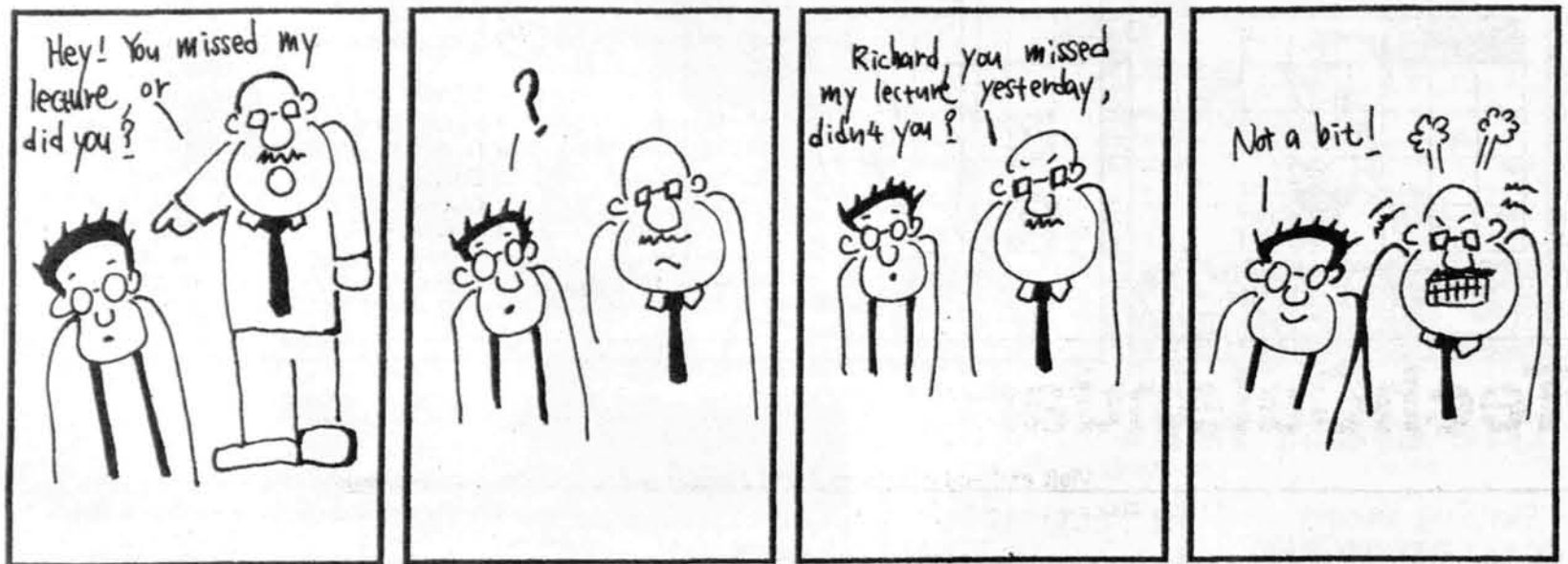
ALISON WONG





By Guan-Jong (John) Chen

Tech Life



FoxTrot by Bill Amend



Dilbert by Scott Adams

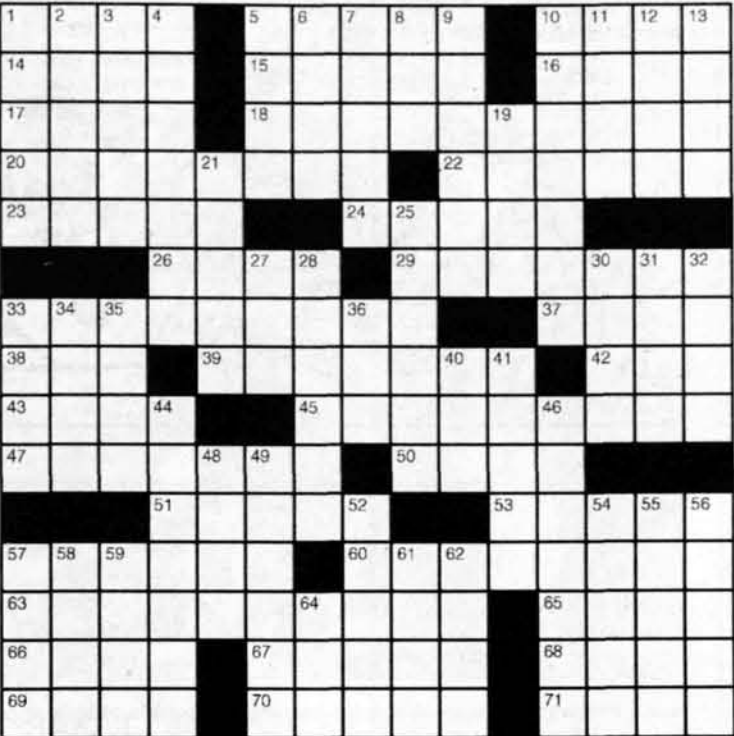


Got a News Tip?

Call the Tech News Hotline.
253-1541

Crossword Puzzle

Solution, page 23



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- ACROSS
1 Creator of Li'l Abner
5 Macho guy
10 Winter fall
14 Toast spread
15 Get around
16 Own
17 GM make, for short
18 Rebounded
20 Like laptops
22 Claws
23 Pound feet
24 Animal in a mobile home?
26 Display jealousy
29 Listed correction
33 Reason for a page
37 Remedy
38 Sniggler's catch
39 Craftserson
42 Sound sheepish
43 Ashtabula's lake
45 Engage in delaying tactics
47 Pseudonym
50 Light meal
51 Occurrence
53 Works strenuously
57 Captivate
60 Like serials
63 Refectory
65 Pile of combustibles
66 Merriment
67 Support for the arts
68 Pizzazz
69 Poisonous evergreens
70 Flightless birds
71 Ultimatum word
- DOWN
1 Henhouses
2 Distribute
3 Ballplayer
Guerrero
4 Mail carriers
5 Parsley or sage
6 Fiendish
7 Knights' weapons
8 Ruckus
9 Drink of the gods
10 Defeat decisively
11 European defense assn.
12 Pizzeria fixture
13 Marries
19 Razor's cut
21 Stoppage of breathing
25 Byron of golf
27 TV adjunct
28 China's Sun
30 Orchestra instrument
31 Caspian feeder
32 Dinner
33 Chick's comment
34 At this place
35 Actress Lena
36 Set afire
40 Yucatan year
41 Hemlock homes
44 Foes
46 Shout of joy
48 River of Stratford
49 Union
52 Harass
54 Pastoral poem
55 Money of Turkey
56 Play part
57 Nervous
58 Cleopatra's river
59 One more time
61 Supplication
62 Troubles
64 Triumphant exclamation

TechCalendar

TechCalendar appears in each issue of The Tech and features events for members of the MIT community. The Tech makes no guarantees as to the accuracy of this information, and The Tech shall not be held liable for any losses, including, but not limited to, damages resulting from attendance of an event. Contact information for all events is available from the TechCalendar web page.

Visit and add events to TechCalendar online at <http://tech-calendar.mit.edu>

Friday, February 16

9:00 a.m. - 5:00 p.m. - **SPRING 2001 UROP DIRECT FUNDING DEADLINE.** The deadline for spring 2001 UROP direct-funding (funds from UROP) is this Friday, February 16, 2001. All faculty members who are interested in having their UROPers apply for funding from the UROP office, should have students submit all of their UROP paperwork to the UROP Office (Rm. 7-104) by 5 p.m. on Feb. 16th. UROP coversheets, proposal guidelines and samples can be found at <http://web.mit.edu/urop/paperwork.html>. free. Room: 7-104. Sponsor: UROP.

10:15 a.m. - 12:00 p.m. - **Zonal Average Circulation and Tracer Transport in the Extratropical Troposphere.** Note special time and location. free. Room: 54-317. Sponsor: MIT Atmospheric Science Seminars.

11:30 a.m. - 5:30 p.m. - **Blood Drive.** Come help save lives by donating blood or volunteering to help with our drive! See our web page for more information or to make an appointment to donate. free. Room: La Sala. Sponsor: Blood Drives.

12:00 p.m. - 1:00 p.m. - **Al-Anon Open Discussion: Al-Anon Meeting.** free. Room: E25-101. Sponsor: MIT Medical.

12:00 p.m. - 1:30 p.m. - **Orientation to Computing at MIT.** This seminar provides basic, non-technical information about the MIT computing environment. Topics include: telephones and voice mail, operating systems, supported software and recommended hardware, the campus network, security, computer-related health issues. free. Room: N42 Demo Center. Sponsor: Information Systems.

12:00 p.m. - 2:00 p.m. - **MIT Jewish Faculty Affairs Luncheon Series.** "Globalization of Finance and Jewish Financial Institutions in the Early Modern Period (From Venice to Waterloo)." \$10 for lunch, pay by Wednesday February 14th. Room: Building W11, Small Dining Room. Sponsor: Hillel, MIT.

4:15 p.m. - 5:15 p.m. - **Subword complexes in Coxeter groups and applications to Schubert varieties.** Refreshments will be served at 3:30 p.m. in room 2-349. free. Room: 2-338. Sponsor: Combinatorics Seminar, Department of Mathematics.

8:00 p.m. - **School for Scandal.** Dramashop production of Richard Brinsley Sheridan's 1777 comedy, directed by Senior Lecturer Michael Ouellette. \$8, \$6 MIT students. Room: Kresge Little Theater. Sponsor: Dramashop.

Saturday, February 17

8:00 p.m. - **School for Scandal.** Dramashop production of Richard Brinsley Sheridan's 1777 comedy, directed by Senior Lecturer Michael Ouellette. \$8, \$6 MIT students. Room: Kresge Little Theater. Sponsor: Dramashop.

8:00 p.m. - **Recent Music of Peter Child.** Doubles, Part 1 (Prologue — Elaine Chew, piano); Doubles I and II (Senior Lecturer David Deveau, piano); Variations (Daniel Stepner, violin); Emily Dickinson Songs (Jane Bryden, soprano, Sally Pinkas, piano); Sonata for Viola and Piano (Prof Marcus Thompson, viola, Judith Gordon, piano); Doubles Part 2 (Doubles III Epilogue — Elaine Chew, piano). free. Room: Killian Hall. Sponsor: Music Section.

Sunday, February 18

1:00 p.m. - 5:30 p.m. - **Ballroom Dance Lessons.** Flamenco 2 at 1pm, Amer. Fox Trot 2 at 2pm, Tango 1 at 4:30pm. Free social dancing from 3:30-4:30pm. \$1 to \$5. Room: Sala de Puerto Rico. Sponsor: Ballroom Dance Club.

Monday, February 19

5:30 p.m. - 7:30 p.m. - **Aga Khan Lecture: Ruins into Monuments: Memory, Nation and Modernity in the Restoration of the Great Mosque of Damascus and the Krak des Chevalliers.** free. Room: 3-133. Sponsor: Aga Khan Program for Islamic Architecture.

Tuesday, February 20

12:00 p.m. - 2:00 p.m. - **The Varieties of Conventionalism.** Dibner Institute Lunchtime Colloquia. free. Room: E56-100. Sponsor: Dibner Institute.

3:30 p.m. - 4:30 p.m. - **"Quantum products, Topological recursion rela-**

tions, and the Virasoro conjecture for Gromov-Witten invariants." free. Room: 4-159. Sponsor: Differential Geometry Seminar. Department of Mathematics.

4:00 p.m. - 5:00 p.m. - **Death of the Washing Machine.** free. Room: 1-390. Sponsor: Engineering & Environmental Mechanics Group.

4:00 p.m. - 5:00 p.m. - **Materials Unlimited.** "Nanostructured Biomaterials for Orthopedic Applications." The development of an alternative biomaterial combining mechanical resilience and an osteogenic surface to provide a stable interface with the surrounding connective tissue will be discussed. A half-hour panel discussion with audience Q&A will follow the 30-min. lecture. Refreshments 3:30. free. Room: 8-304. Sponsor: Materials Processing Center.

4:15 p.m. - 5:30 p.m. - **Gas Turbine Seminar Series.** No Seminar, Monday class schedule.

Who do I talk to about reserving a space for my event?

What does it take to plan an event?

How can I get funding for my event?

Student Activities

How should I publicize my event?

Do I need campus police detail?



Who should I talk to about catering?

Do I need an entertainment license?

What should I do about the room set-up?

Bring all your questions to the Event Planning Q&A Session

Tuesday, 2/13 @ 5pm (Mezzanine Lounge, W20-307)
Friday, 2/16 @ 3pm (Mezzanine Lounge, W20-307)

Presidents and Social Chairs encouraged to attend.

FOOD has been invited to attend for your eating pleasure.

P

THIS HAS BEEN A STUDENT ACTIVITIES ANNOUNCEMENT



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Driving the Wireless Future

"Two-year-old Atheros Communications of Sunnyvale, CA is gearing up to turn the wireless local area network community on its head.... The company's impending release of a low cost chipset for 5-GHz WLAN's is expected to significantly lower the cost structure of high-speed WLAN equipment and make the technology ubiquitous for office and home users around the world."

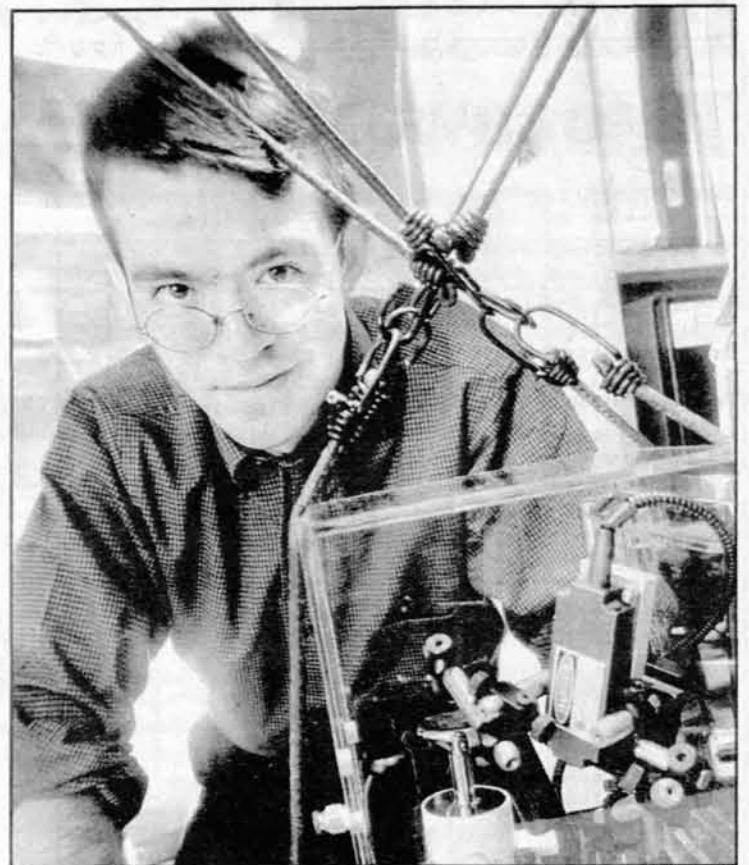
-- Jarad Carleton, Research Analyst, Information Technologies, Frost & Sullivan

Info session:

In 4-149 at 6:00 PM on Monday, February 19, 2001
A light meal will be provided.

Interviews:

At MIT career office (12-170) on Tuesday, February 20, 2001



Brain Hubert G displays his nano-assembly machine, which is capable of picking up virtually any type of material, several thousand atoms at a time.

Hubert Recalls First Inventions Proudly

Lemelson, from Page 1

memory chip, made out of aluminumized plastic and designed in an effort to make computer chips cheaper by eliminating the need for silicon.

"Memory today can be quite expensive. We should look for ways to perhaps develop something better than the more expensive silicon water-based chip," Hubert notes.

Hubert also invented a superconductor fabrication system, which was designed to boost the efficiency of manufacturing superconductor wires while lowering the cost required in building such wires.

Hubert already holds two patents — one for the plastic memory chip, and another for the superconductor fabrication system.

Hubert became inventor in his youth

When asked what disappointments he has faced in the past, Hubert recalled a device that he thought up at a young age. The now-defunct invention idea involved placing a machine at the bottom of the ocean to convert the water pressure into electrical energy.

He remembers fondly his first invention, devised at the age of fourteen. Dubbed the 'cheater meter,' it was placed between the car and the gas pump nozzle and measured the true amount of gas entering a car.

"It seemed cars were not getting the full amount of gas paid for, so I would measure the gasoline going into the car," Hubert also remembers sitting outside his house with cups full of gasoline and analyzing the various grades of gas after exposing the containers to sunlight.

Hubert feels that inventors have a particularly unique perspective on the world. "Instead of passively accepting the way things are, inventors look at a situation differently," he said. "They say, 'I can make a real contribution here.' When an inventor stubs his toe, he not only says 'ow,' but asks, 'How did this happen?'"

During the ceremony, Hubert thanked many people for their continued support, among them Associate Professor of Media Arts and Sciences Joseph Jacobson of the Media Laboratory, under whom Hubert has conducted his doctoral research.

"Jacobson set up a free-flowing environment in his group, such that we were exposed to everything from biology to electronics to nanotech-

nology," Hubert said.

The \$30,000 in prize money will go towards the formation of a commercial venture dedicated to exploring how to fabricate things at nano-scale resolutions.

Hubert, meanwhile, plans to wrap up his nano-assembly project and to look at the possibility of converting the device into something that can build a vertically-oriented 3-D object, possibly realizing the dream of nanorobotics.

Award created in 1994

Jerome H. Lemelson and his wife Dorothy established the Lemelson-MIT awards program in 1994 to recognize and reward outstanding inventors and innovators within the MIT student body in the hope of encouraging more young people to pursue careers in science, engineering, technology, and entrepreneurship.

The judging panel responsible for selecting the winner consists of MIT alumni including successful scientists, technologists, and entrepreneurs.

Lemelson-MIT Program winners have continued to make significant contributions in their fields of study.

Last year's Student Prize winner was Amy B. Smith, whose inventions include a laboratory incubator that runs without electricity and a hammer mill to grind grain into flour, both devices intended to improve way of life in Third World countries.

Smith has spent the past year doing research in Nepal, and has worked to develop water quality treatment and testing kits for developing countries.

Hubert also skilled pianist

Hubert is not only an accomplished inventor but also a gifted pianist, having composed and performed more than 22 original works. Apart from his musical talent, Hubert is also skilled in the area of architectural design and modeling.

Also present at the Thursday ceremony was Hubert's father, who spoke of his son's "tremendous powers of concentration." This skill may be best illustrated by a childhood holiday music recital. Only eight years old at the time, Hubert was playing a piano version of "O Holy Night" when a girl behind him knocked over her xylophone, creating a loud disturbance.

"Brian kept playing," Mr. Hubert said. "He never missed a note."

People are people.

That's why there shouldn't be racism.

People are people.

And that's why there is racism.

Everybody knows that racism is wrong. So why does it still exist? Why can't we fix it? Maybe the problem is too big. Maybe human solutions are too small. Maybe we need superhuman solutions, like changed hearts. This year in honor of Dr. Martin Luther King Jr.'s birthday and Black History Month we're offering the article "Give the Dream New Life." For your free copy call 253-2327, email us at cacf@mit.edu, or stop by W11-063.

The Dream Begins With God.

Sponsored by Chi Alpha Christian Fellowship
cacf@mit.edu www.cacmboston.org



Pacific Rim Nations Tighten Patent Laws

Biotechnology, from Page 1

has led U.S. companies to be wary of introducing products there. Wang said that U.S. and European car manufacturers, for example, only distribute older models in China.

Pressure to tighten property laws

In response to the cautious attitudes of some Western firms, some countries in the region have begun to enforce intellectual property laws. China now recognizes patents granted after 1993, and the other countries have also begun to acknowledge U.S. patents. Singapore, which respects intellectual property rights, manufactures drugs for Merck, Gallaxo, and Schering. "A real strength in Singapore is the strength of the government. The structure is such that companies trust it," said Wang.

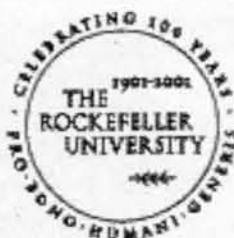
China, however, has significant problems other than patent enforcement. Manufacturing processes in China are not up to the standards

enforced by the rest of the world, as many of the plants were built with technology derived from the Soviet Union.

However, Wang said that "China has great potential in terms of size." China's government has pledged to invest billions of dollars over the next few years towards the development of new drugs and testing the efficacy of traditional therapies.

He also noted that many U.S.-trained scientists and engineers have been returning to China. "Ten or fifteen years ago, very few people went back to China. We're seeing much more of that today," said Wang.

According to Wang, these Pacific countries hope to shift their industry towards biotechnology in the next few years. As the manufacturing of traditional textiles and products is moving away from several Pacific Rim nations in search of lower costs, biotechnology research and development could fill in the economic gaps.



An Introduction to MD-PhD Training

MIT
Room 4-270

Thursday, February 22, 2001
12:00 PM

Olaf S. Andersen, MD

Professor of Physiology and Biophysics
and Biochemistry and Structural Biology
Program Director
Weill Cornell/Rockefeller/Sloan-Kettering
Tri-Institutional MD-PhD Program

It's a connected world.
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Earth Share

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Chinese Students Club New Year's Banquet

February 17, 2001

Walker Memorial 6pm

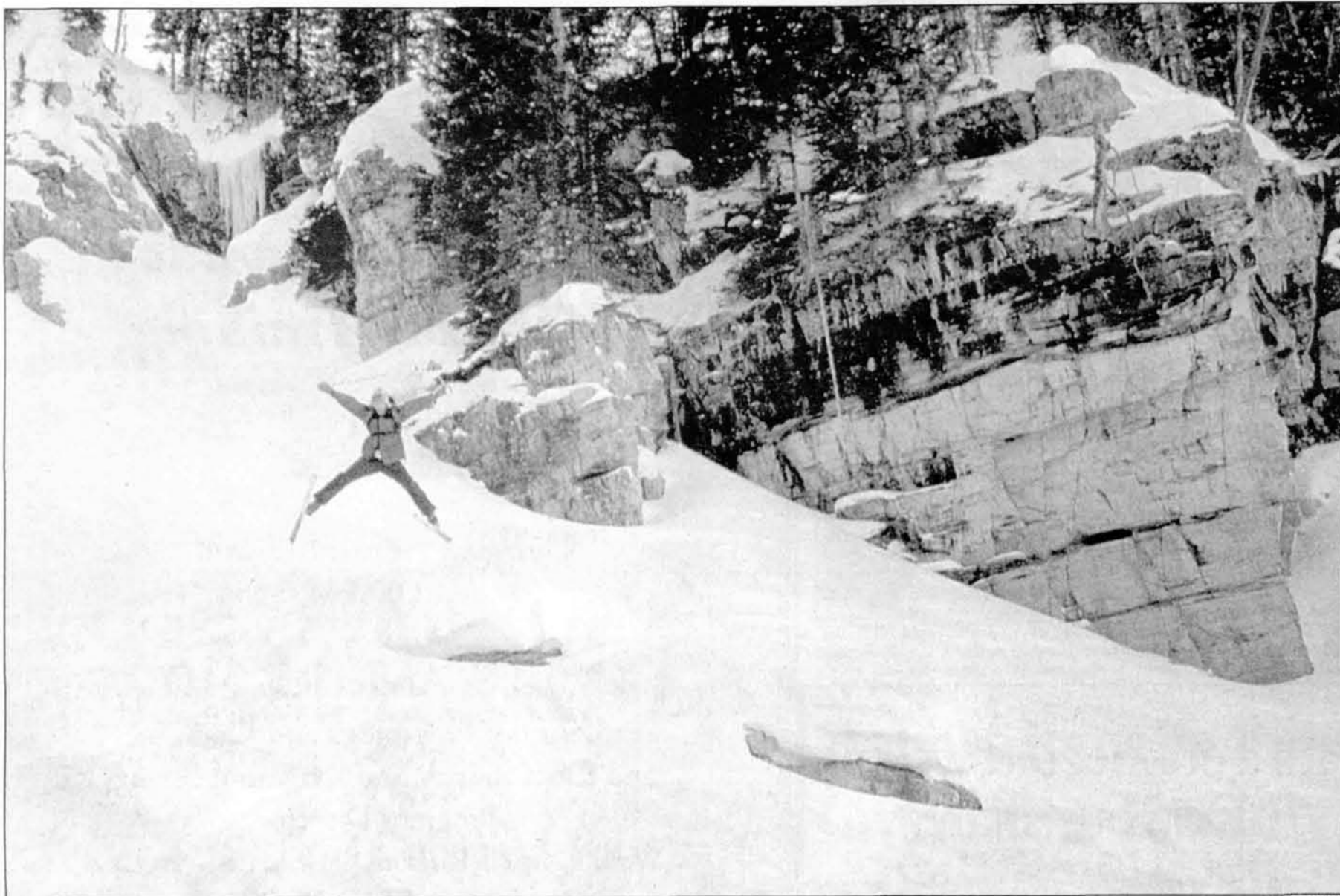
\$12/\$16 members/non-members

- *Delicious 8-Course Dinner
- *Lion Dance
- *Traditional Dance
- *Fashion Show
- *Games and Raffle for Cool Prizes
- *and much much more!

MIT

Tickets available in Lobby 10 - Questions: csc@mit.edu

恭賀新禧



ADAM LORENZ

Peter G. Madden G tore up the slopes at Smuggler's Notch during the Graduate Student Council's annual ski trip. A record 276 people joined in for a weekend of skiing, eating, karaoke, and condo-hopping.

MIT Department of FACILITIES

CAMPUS CONSTRUCTION UPDATE

SPORTS & FITNESS CENTER

Pile installation and the pouring of concrete foundations during the next few weeks will cause noise and disruption to the surrounding area. The excavation of soil continues causing a great deal of truck traffic in and near the Kresge parking lot.

70 PACIFIC STREET (GRADUATE HOUSING)

Construction activity including the installation of sheeting and removal of land fill may cause noise, dust and disruption to vehicular and pedestrian traffic.

DREYFUS CHEMISTRY BUILDING

Interior demolition may cause dust, noise and vibration to the surrounding area.

STATA CENTER

Installation of the first of nine sections for the foundation has begun. Intermittent odors may continue during the marsh later is removed. Anyone wishing some temporary relief from the odor may obtain a freshener from the MIT Stata Center project trailer located near the pool entrance between Buildings 56 and 16.

MASSACHUSETTS AVENUE

The MBTA Bus Stop located across from 77 Mass. Ave. has been relocated to the corner of Mass. Ave. and Memorial Drive. Snow fencing also has been put up for pedestrian safety.

ALBANY STREET GARAGE

The shuttle service to parking facilities along Albany Street will continue until mid February while the walkway between Buildings 42 and 44 at the railroad crossing remains closed. Commuters seeking a shuttle after 6:00 PM may use the Institute's Safe Ride van.

This information provided by the MIT Department of Facilities:
web.mit.edu/facilities/www/construction/

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SPRING BREAK 2001 ARE YOU READY?



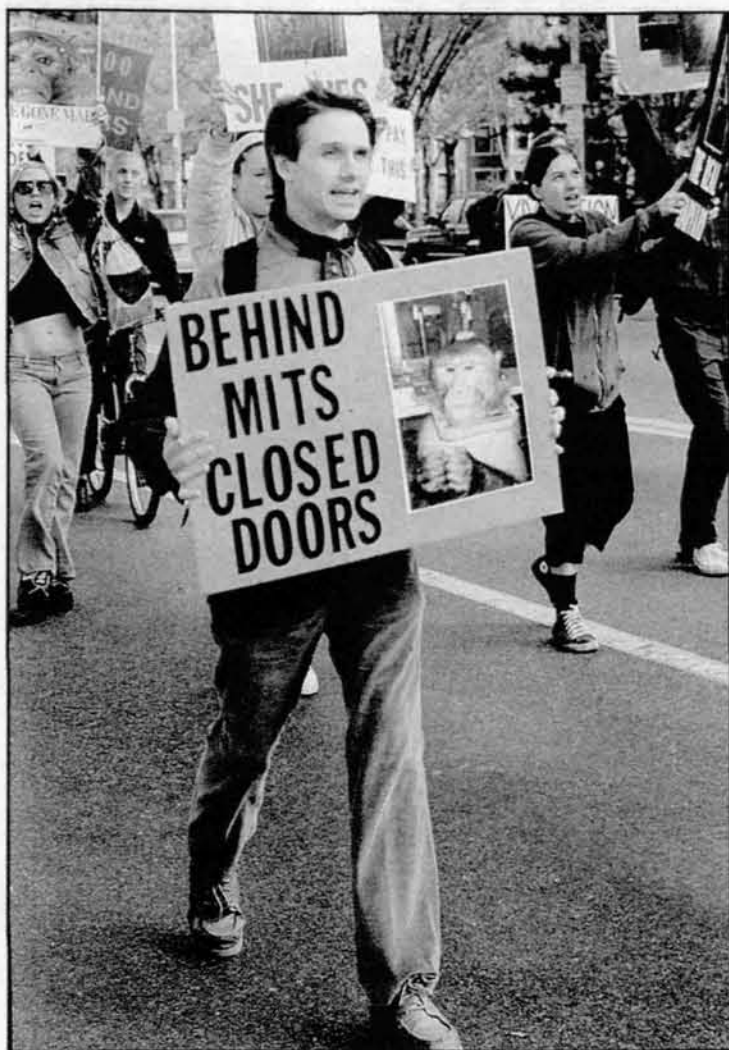
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Protesters voiced their concerns about MIT animal testing at a march last April.

Inspections Ensure Humane Treatment

Animal Testing, from Page 1

"If you look back 150 years, it hasn't always been that way," said Ritvo.

Much of the CAC-approved research which is performed at MIT is medical in nature. Some examples of ongoing projects are clinical cancer research, nerve regeneration studies, and cardiac tissue studies.

"The committee doesn't make judgments on science, per se, but on the treatment of the animals and if the number of animals were appropriate," said Ritvo.

After a proposal is passed by the CAC, the researchers must take a course on handling animals before they are allowed to do research. If any specialized procedures are to be performed, the researchers are instructed by trained veterinarians.

"We do not allow painful procedures on animals without medication for the pain or anesthetizing the animals," said O'Pray. "We do not allow death as an endpoint to any experiment. If an animal is not doing well, it has to be euthanized."

Although research is performed on a variety of animal species, the majority of all animal research at MIT is performed on rodents such as mice and rats.

"We get inspections from the federal government, the state of Massachusetts, and the city of Cambridge," said O'Pray.

The animals are monitored by both the technicians who take care of them, and by veterinarians, who see to their health. If any violations in animal care or research are found, the research stops until the CAC can fully investigate.

If a major violation is found, the CAC must report this violation to

the Office of Laboratory Animal Welfare. "We [the CAC] have been approved at the exemplary level, which is the highest level of accreditation given by the Association for Assessment and Accreditation of Laboratory Animal Care. We also received grants to make two videos sold worldwide on general animal care and anesthesia," said O'Pray.

There are many animal rights organizations that oppose animal research, but opposition can come on a number of different levels.

"There are a number of viewpoints represented in our group on the use of animals in science, and many people are against animal experimentation outright," said Laura C. Dilley G, president of the Students for the Ethical Treatment of Animals (SETA) at MIT.

This organization focuses on issues of ethical issues involved in human-animal interactions, including animal experimentation and tries to promote alternatives to animal experimentation whenever possible.

"Our group tries to focus on issues where animal abuse is widespread, such as the food animal and fur industries," said Dilley. "Lab animals constitute only about one-hundredth of one percent of the animals killed in the U.S. every year, so animal experimentation has not been a major focus of our group's efforts."

Anyone with information about inadequate animal care or treatment should contact the CAC at 253-9436 or call Vice President and Dean of Research J. David Litster at 253-6801. More information on the CAC and animal testing at MIT can be found at <http://mit.edu/comp-med/>.

THIS WEEKEND AT LSC

Cameron Diaz
Drew Barrymore
Lucy Liu

Charlie's Angels

Friday, 7 & 10 pm, 26-100
Sunday, 7 pm, 26-100



LSC Classics Presents

How to Marry A Millionaire

Friday, 7:30 pm, 10-250

Saving Grace

Saturday, 7 & 10 pm, 26-100
Sunday, 10 pm, 26-100

<http://lsc.mit.edu/>



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stop on the red line -
we're the first shack
on the left!

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to compliment
your crab.



Now open for lunch M-F!

It claims good people.

UNTREATED
DEPRESSION

#1 Cause of Suicide

Please Send message from SAVE Suicide Awareness Voices of Education <http://www.save.org>

This space donated by The Tech

If you had any brains
at all, you'd be aware of
the threat of depression.

Depression is a suppression of brain activity that can strike anyone. It can make life unbearable, but it is also readily, medically treatable. And that's something you should always keep in mind.

Public Service message from SA/VE (Suicide Awareness/Voices of Education)

UNTREATED
DEPRESSION

http://www.save.org

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resume@ll.mit.edu

Fax: (781) 981-2011;

or mail to: Human Resources,

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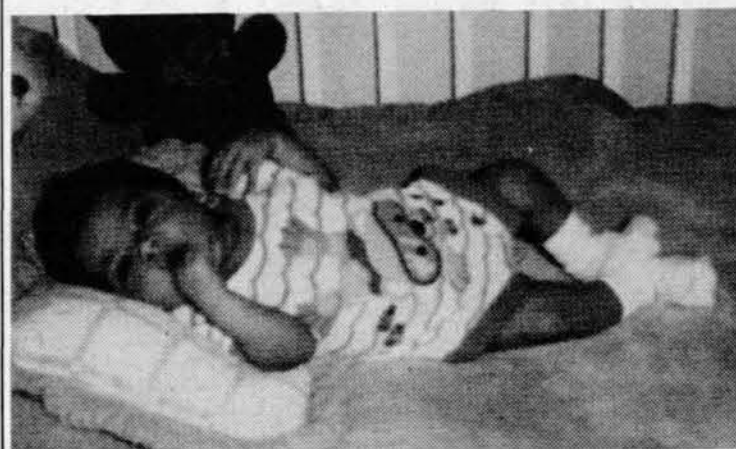
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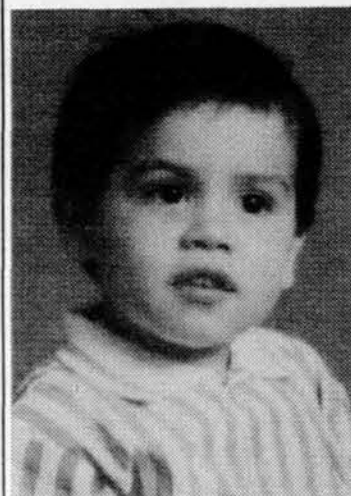


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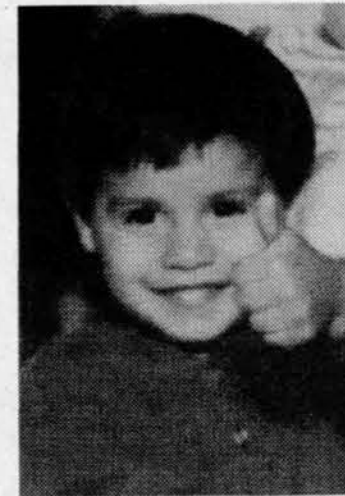
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zetari will also be holding on-campus interviews on Wednesday February 28, 2001. Interested candidates should register through career services.

www.zetari.com

Women to Face Division I Schools

Women's Gymnastics, from Page 24

comed the addition of senior Karla E. Maguire '01 to their vault line-up. Maguire's 8.325 and Ellefson's season-high 9.25 helped MIT to their highest vault total of the season. MIT accumulated 43.7 on vault and was leading the meet 83.9 to 83.075 after two rotations.

In the third rotation, MIT moved to floor, forced to compete with only five athletes, as Burka was forced to withdraw. Again, the Engineers amassed a season-high total for this event, with Cecile E. LeCocq '02, Cindy Chung '04 and Ellefson posting 9.15, 9.45, and 9.5, respectively. While MIT posted a 45.475 on floor exercise, the Catamounts hung tough with a 45.125 beam set led by Jill Smith's 9.15. After three rotations, MIT extended its lead to 129.375 to 128.20. Finally, it was off to beam for MIT and floor for UVM.

Chung was put in charge of leading the way. Chung's beam routine, jam-packed with difficult maneuvers, is the best routine in the MIT line-up, but she has had trouble keeping it on the beam. Two falls left Chung at an 8.5, while UVM's Kara Tighe danced to a 9.175 on floor.

MIT, UVM To Meet Again

Men's Gymnastics, from Page 24

ending his athletic career.

Earlier, Tanabe had entertained his teammates with his new "dynamic cross," in which he performed the famous iron cross as quickly as he could. Unfortunately the skill earned no points for the team.

Next Saturday, February 24, at 2 p.m. in Du Pont, MIT will clash with UVM for the last time. Co-Captain Luke Massery '02 is strongly advertising this meet as "the only home meet where spectators are welcome." This meet will

Shui followed for MIT, but she had a slip off the beam and had to settle for an 8.9. At the same time, the second competitor for UVM received a 9.35.

Third up for MIT was Caitlin P. Dwyer-McNally '03, who looked good throughout except for her toughest skill, which landed her on the side of the beam for an 8.35. With UVM's Amy Mosher nailing a 9.325 on floor exercise, Vermont was now in the lead, 156.05 to MIT's 155.125, with three competitors to go.

It was Garceau who righted the ship for MIT by absolutely nailing her beam routine; she was rewarded with a personal best of 9.4. But UVM's Nicole Cote-Burk received a 9.45 on floor.

Fellow sophomore Deborah J. Dryer '03 got up and attacked the beam, and looked very solid for the first half. She wobbled a bit on the second half of the routine, settling for a 9.0 to Jill Smith's 9.125.

So, it came down to the final two competitors. MIT would have to hope for a big score from Ellefson in order to be able to drop Dwyer-McNally's 8.35.

While UVM's Carrie Blow struggled on floor to a 9.05, Ellefson was

in the process of hitting the best beam routine of her career. Ellefson landed her dismount and was rewarded with a new school record of 9.65, breaking even her own mark of 9.6, set two years earlier.

When all was said and done the Catamounts totaled 46.45 on floor to MIT's 45.45 on beam. UVM made up a full point on the last event, but it was not enough, and MIT celebrated its first win ever over the Catamounts, 174.825 to 174.65.

The day belonged to MIT. The men beat UVM by a sound 3-point margin — much more comfortable than the .175 separating the women's teams.

On an individual basis, Ellefson won every event in the meet and recorded a season-high 37.95 all-around score.

This win sets a positive tone in heading into the last three meets of the season prior to the conference championships. This coming weekend, the women will travel to UMass-Amherst where they will meet extremely talented Division I teams. But MIT will have the chance to post an all-important away score in the process and hopefully unveil some new routines that are in the wings.

Crossword Solution



from page 17

Engineers May Be Top Playoff Seed

Women's Basketball, from Page 24

Contesting every shot, Smith screamed her battle cry and had a hand in her opponent's face. Her exit came a few minutes before Estrada's because of her five fouls. Her ovation featured fans doing their imitation of the Smith yell, which was not just flattering but a sincere expression of love and appreciation.

Team ranking fall into place

The Engineers would greatly appreciate a loss by both Springfield and Wellesley. These two unlikely gifts, matched with an MIT win away over Clark on Saturday, will give the Engineers the number one seed in the postseason tournament. A loss would jeopardize a chance to host a tournament game, because MIT would be tied for a fourth seed. Most likely, if this happens, the tie would occur with Babson, who fell to MIT 70-67 on Jan. 16th.

No matter what happens to the other schools tomorrow, a win is what the women's team is after, pure and simple. It would bring them within two wins of the 1998-99

team's season record of 20. That team made it to the ECAC finals, which was the equivalent of a Division I school coming second in the National Invitational Tournament. This team, this year, with a strong finish, can set their sights on the tournament.

Women's Basketball														
Tuesday, February 13														
Wheaton at MIT														
	1	2	Total											
MIT	30	23	53											
WPI	30	42	54											
	FG	3pt	FT	R	P	Po	A	TO	BLK	STL	Me			
MIT	44	01	00	3	5	8	5	3	0	3	25			
Wheaton	14	02	00	3	3	2	3	2	0	2	22			
Crystal Beach	11	20	00	04	14	2	30	4	3	7	2			
Crystal Beach	23	00	00	4	0	1	2	5	1	2	27			
James Taylor	12	03	00	24	10	3	10	1	2	0	4			
David Madsen	01	00	00	1	2	0	2	0	2	0	12			
Marla Madsen	25	00	22	4	1	0	4	1	0	2	18			
Kathleen Nelson	27	00	22	3	0	0	1	1	0	0	18			
Amy Mak	01	01	01	0	1	0	1	0	0	1	4			
Sarah Madsen	03	01	00	0	0	0	0	0	0	0	4			
Darcy Kelly	00	00	00	0	0	0	0	0	0	0	2			
Katherine Johnson	00	00	00	0	0	0	0	0	0	0	1			
Katherine Lynch	00	00	00	0	0	0	0	0	0	0	1			
MIT	25	45	45	14	07	45	17	22	22	8	18			
Wheaton	18	07	705	14	20	35	53	25	1	11				
	Shooting	First Half	Second Half	Total										
MIT	44	20	24	44										
Wheaton	14	07	07	14										
Crystal Beach	11	05	06	11										
James Taylor	12	03	09	12										
David Madsen	01	00	01	01										
Marla Madsen	25	10	15	25										
Kathleen Nelson	27	10	17	27										
Amy Mak	01	01	00	01										
Sarah Madsen	03	01	00	03										
Darcy Kelly	00	00	00	00										
Katherine Johnson	00	00	00	00										
Katherine Lynch	00	00	00	00										

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CCRR MIT Committee on Campus Race Relations

NEXT DEADLINE

March 6th

SPORTS

Basketball Defeats Wheaton

Women's Team Impressive on Senior Night, in Postseason Hunt

By Erion J. Clark
BASKETBALL ANNOUNCER

The Engineers showed the Wheaton Lyons no love on the eve of St. Valentine's Day, winning by a score of 72-53.

The game featured a tribute to the senior captains of the women's basketball team, as Cristina Estrada '01 and Eboney Smith '01 received two standing ovations.

The game started with Wheaton giving the hosts all that they could handle. In the first seven minutes, the lead changed four times and no team held more than a five point advantage. Trouble, in the form of Wheaton's Amanda Dow-Allen, popped up as Dow-Allen hit three consecutive three-pointers in a two minute span. Estrada's free throws were the only thing that broke the Lyons' rhythm.

Wheaton seniors Wendy Allegrone and Bonnie Campbell were determined not to be upstaged by the host seniors, as Allegrone produced the majority of her assists in the first half. All of Campbell's rebounds came on the defensive end, limiting the second-chance opportunities for MIT. The Lyons' only fault in their first half play was that they committed too many fouls.

MIT shot 11 free throws in the first 20 minutes, missing only one. In fact, MIT's 10 baskets from the line equaled the number of their

field goals made in the half. MIT had tallied 30 points at halftime.

In the second half, MIT stopped being hospitable. Needing the win to stay in contention for the league title, MIT quickly pulled away from Wheaton in the second half on the strength of a 22-5 run.

Several Engineers turned in big efforts during the run. Smith, Crystal A. Russell '03, and Megan C. Daugherty '03 combined to lock down the Lyons' three leading scorers. Wheaton's three leaders scored only 12 of their 34 points in the second half.

Defense was stellar. Estrada made seven blocks, the entire team ripped 18 steals from the hands of the Lyons, and MIT out-rebounded Wheaton 45 to 35.

The Engineers did more than out-rebound their opponents — they outplayed them. At one point during the run, Wheaton earned a rare offensive rebound, only to have it tied up for a jump-ball by Smith, who is ten inches shorter than her opponent. The home team continued to play aggressively, yanking rebounds away from their guests.

The bench played forcefully with Maria E. Hidalgo '04, Kathleen L. Dobson '03, and Dwan C. Riddick '03 each logging ten minutes or more of playing time. They fueled the attack that forced Wheaton to commit 25 turnovers.

Hidalgo and Dobson were each 2-for-2 from the free-throw line,

and did their part for MIT's overall 14-17 free-throw shooting performance. Amy W. Mok '02 came through with a nice assist during the 22-5 run.

As the run came to a close, the defense frustrated the Wheaton bench so much that the Lyons' coach inappropriately criticized a non-call and received a technical foul.

Estrada, Smith have excellent game

Estrada gave a superior effort at both ends of the court. On the defensive end, she would make a block. Then, on the offensive side, she would make jumpers with the shot clock winding down. Coach Melissa Hart decided to leave her in until the penultimate possession of the game, long after a win was secured, because of her performance. The final line shows that this was the best game of her career: 30 points, 14 rebounds, 7 blocks, 4 assists and 2 steals.

Smith also played well on Senior Night. Although she finished with eight points, her contribution was displayed through her trademark enthusiastic, hard-working play, forcing the jump ball with a Wheaton player nearly one foot taller than her. Smith was credited with three steals on the night.

When she wasn't tracking down unsuspecting ballhandlers, she played aggressively in front of them.



Crystal A. Russell '03 (40) and Cristina Estrada '01 (33) go up for an offensive rebound on Tuesday. MIT defeated Wheaton, 72-53.

Women's Basketball, Page 23

Nordic Finishes Second At Meet Hosted by MIT

MIT Skiers Come Closer to Defeating Clarkson University, Will Try for First Place This Weekend

By Chris Testa
TEAM MEMBER

Battling adversities, the Nordic ski team once again came in second last weekend at an MIT-hosted race in Prospect, Vermont. Even with almost half the team sick, they managed to come closer than ever this year to upsetting Clarkson University, the league's favorite in both classic and skate.

Arriving in Vermont to 50-degree temperatures and rain, the team soon encountered windy weather, and temperatures dropped below freezing for the 9 a.m. race on Saturday. However, the wet and icy 15-km course proved no difficulty for the hardy MIT men's team.

The men captured third, fifth and seventh places with Samuel T. Coradetti '02, Derek G. Southwell '01, and Timothy G. Garnett '02.

Marissa L. Yates '03 and Teresa

M. Hung '02 of the women's team skied well enough to grab fifth and sixth places in the women's race.

On Sunday, the team again awoke early to sub-zero temperatures and a howling wind. It wouldn't be the day to unseat Clarkson, although strong performances by Southwell (second place), Coradetti (fifth), and Chris Testa '03 (sixth) earned MIT second place.

Master of consistency Karl-Magnus W. Mclellachie '02 — who has finished every race this year in either 18th, 19th, or 20th place — once again finished 19th in both races.

The shorthanded women's team (consisting only of Hung) grabbed a third-place finish but lacked enough members for a team score.

Next weekend, the Nordic team heads to New London, N.H. for the Colby-Sawyer Carnival and another chance to recapture the first-place position not seen since last year.



Teresa M. Hung '03 raced 7.5k skate on Sunday. Hung took third and, because of illness, was the only woman to participate for MIT.

Gymnastics Teams Overtake UVM

Lady Engineers Beat Vermont for First Time

By Eduardo Ovalle
TEAM COACH

After posting their lowest score of the season, and still having to work through injuries and the flu season, the Lady Engineers headed north to Burlington, Vermont for a double-dual meet alongside the men's team against the Division I University of Vermont Catamounts. If the women could beat the Catamounts — for their first time ever — MIT had a shot at an unprecedented double win.

In an effort to stir things up a bit, MIT competed their first event (bars) in reverse order, by starting the meet with their best bar performer. Co-captain Sonja J. Ellefson '01 led off the meet, and, though tired, landed her double-hull flyaway for a season-high score of 9.55.

Up next was Carrie Garceau '03, who had not been able to practice her own double-full flyaway dismount because of a heel bruise. Garceau missed her mount but got back up on the bars and landed a perfect dismount, netting a personal season high of 8.35.

The rest of the bar line-up hit clean routines, which helped the team post a season-high bar total of 40.2.

The key performer was Tanya I. Burka '03, who had been bothered by a bad back and was supposed to sit the meet out. An injury to Amy M. Shui '02's hand prompted Burka to jump in at the last minute to take Shui's place. Without Burka's bar score, the bar total would have only been 39.6.

While MIT finished up bars, UVM had posted a 42.9 on vault for the early lead after one rotation. The teams flip-flopped events and the Engineers wel-

Women's Gymnastics, Page 23

Men Garner Second Victory of Season

By David Hu
TEAM MEMBER

Last Sunday, the MIT men's gymnastics team beat the University of Vermont (UVM), recovering a long-missed part of their sport: winning.

The team now seems to be on a winning streak after a dry spell of three years.

MIT trailed the Catamounts slightly in four out of six events. However, the Beavers trounced the Catamounts in parallel bars and high bar, scoring several points higher than UVM on each event. By the end of the meet, MIT had a substantial lead of 160.1 over UVM's 157.6.

A UVM mom even called the MIT men "a real pleasure to watch." While Coach Noah Riskin tried to "tell her she was confused," she promised to

travel the four hours to MIT on February 24 to "root for both [MIT and UVM]."

Last year's MVP, Damian Engen '03, scored an 8.25 on the floor exercise, the highest score in the meet, and went on to get first place in the all-around. Patrick Griffin '04 managed to get second in the all-around despite forgetting his grips. Griffin also attempted a triple back salto off of rings but landed a little short. Mammy G. Sterling '00 successfully completed the flaired pirouettes he has been working on for high bar.

Unfortunately, all-arounder David Yin was not able to compete due to illness.

The team also suffered a serious setback when James T. Tanabe tore five out of six ligaments in his knee when dismounting from the high bar, abruptly

Men's Gymnastics, Page 23

UPCOMING HOME EVENTS

Friday, February 16

Men's Volleyball vs. Eastern Mennonite University, 7:00 p.m.

Saturday, February 17

Rifle vs. US Merchant Marine Academy, 8:00 a.m.
Men's Basketball vs. WPI, 2:00 p.m.
Men's Gymnastics vs. Springfield College, 2:00 p.m.
Women's Ice Hockey vs. Union College, 7:00 p.m.

Sunday, February 18

Women's Ice Hockey vs. Colgate University, 4:00 p.m.